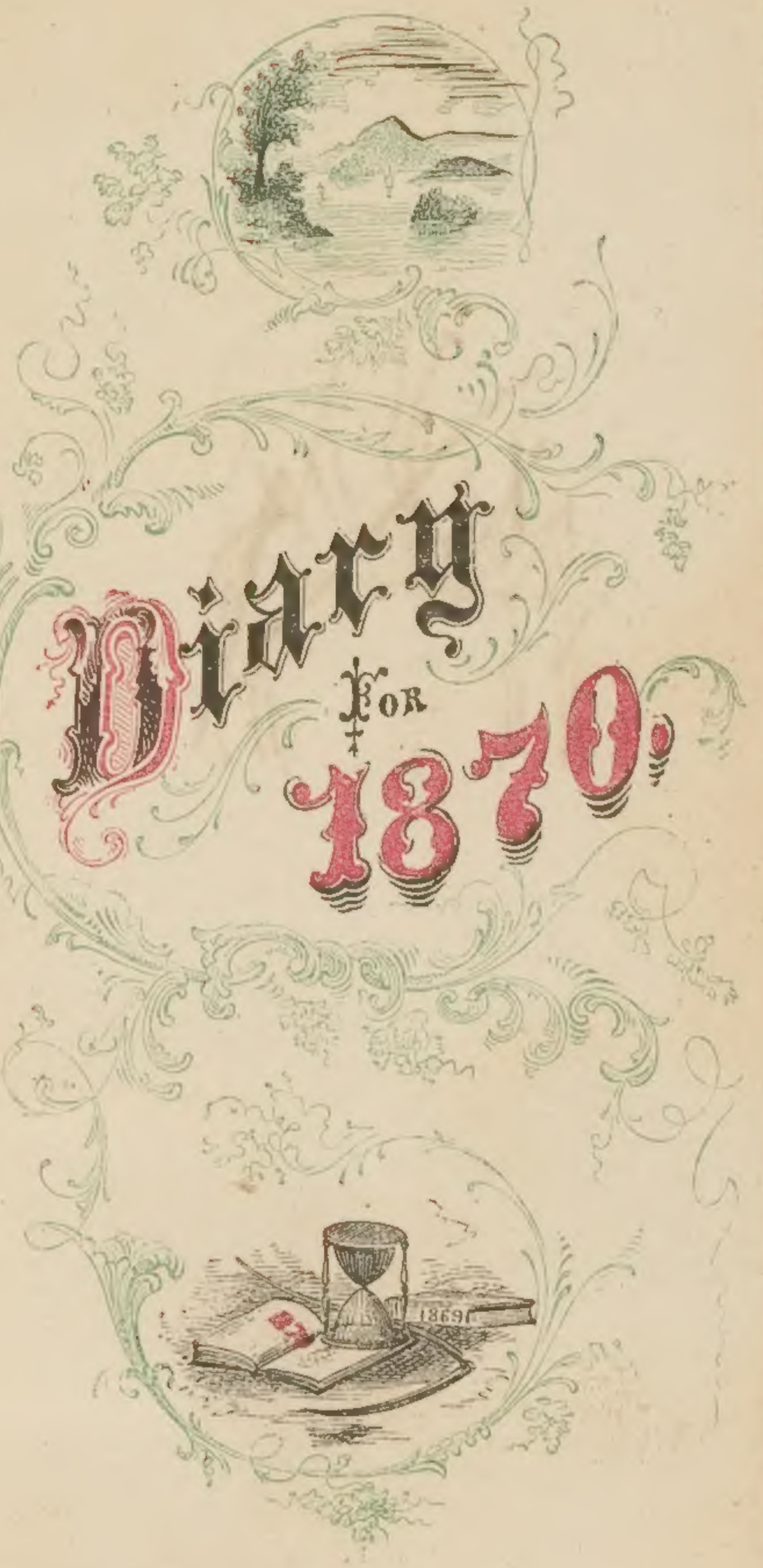
DIARY
1870

sBr 97.4.1.1 (6)

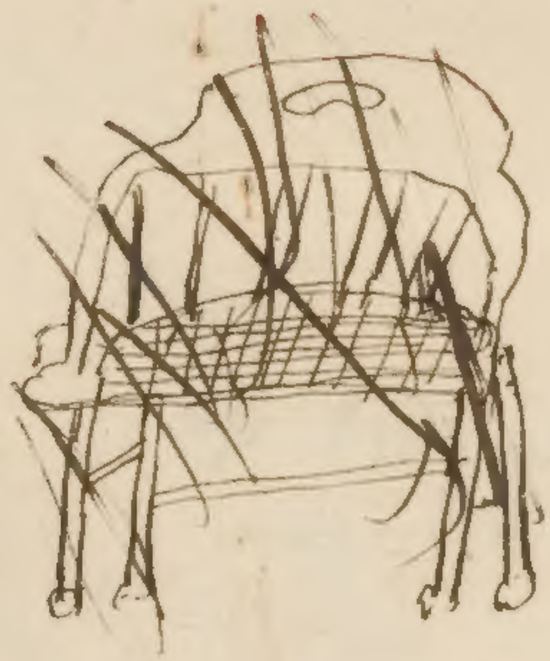
Hon. Brewster
Jan 1st
1870

— " —

Diary for 1870



Published Annually for the Trade



Calendar.

1870.

JANUARY.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

FEBRUARY.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	..
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	..	..	..	..	..

MARCH.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	..
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..

APRIL.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	..
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

MAY.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	..
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..

JUNE.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	..
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..

JULY.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

AUGUST.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	..
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..

SEPTEMBER.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	..
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..

OCTOBER.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

NOVEMBER.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	..
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..

DECEMBER.

Su.	Mo.	Tu.	We.	Th.	Fr.	Sa.
..	..	..	..	..	..	..
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

DIFFERENCE OF TIME.

The annexed table exhibits the Difference of Time between that of BOSTON, and the places therein named:

SLOW OF BOSTON.	H	M	S	FAST OF BOSTON.	H	M	S
Albany, N. Y.		10	44	Augusta, Me.		4	54
Augusta, Ga.		43	22	Bangor, Me.		9	6
Baltimore, Md.		22	12	Berlin, Prus.	5	37	49
Buffalo, N. Y.		31	26	Charlottet'n, P.E.I.		31	20
Cairo, Ill.	1	10	0	Constantinople.	6	40	30
Chicago, Ill.	1	5	48	Dover, N. H.			33
Charleston, S. C.		35	28	Dublin	4	13	52
Cincinnati, O.		53	34	Eastport, Me.		16	30
Cleveland, O.		42	0	Edinburgh	4	34	30
Detroit, Mich.		47	56	Fredericton, N. B.		17	14
Galveston, Tex.	1	34	52	Geneva	5	8	50
Indianapolis, Ind.	1	0	6	Gibraltar	4	22	50
Louisville, Ky.		57	46	Gloucester, Mass.		1	35
Memphis, Tenn.	1	17	0	Greenwich, Eng.	4	44	14
Milwaukee, Wis.	1	7	34	Halifax, N. S.		29	47
Montreal, C. E.		10	6	Hamburg, Ger.	5	24	8
Mobile, Ala.	1	8	0	Hallowell, Me.		4	54
New York, N. Y.		11	50	Hull, Mass.			24
New Orleans, La.	1	16	0	London, Eng.	4	43	50
Newport, R. I.		1	0	Liverpool, Eng.	4	32	13
Niagara Falls, N. Y.		32	0	Lynn, Mass.			32
Norfolk, Va.		21	1	Nantucket, Mass.		3	52
Philadelphia, Pa.		16	25	New Bedford, Mass.			32
Pikes Peak	2	16	0	Newburyport, Mass.			46
Providence, R. I.		1	25	Paris, France	4	53	35
Richmond, Va.		25	35	Portland, Me.		3	16
San Francisco, Cal.	3	25	31	Portsmouth, N. H.		1	11
Savannah, Ga.		40	18	Provincetown, Mass.		4	2
Springfield, Mass.		6	30	Rome, Italy	5	34	8
St. Louis, Mo.	1	16	46	Salem, Mass.			40
St. Paul, Min.	1	28	5	St. Johns, N. F.	1	12	30
Tallahassee, Fla.		54	10	St. Petersburg	6	45	28
Washington, D. C.		24	7	Stockholm, Sw'n.	5	46	28
Worcester, Mass.		3	0	Vienna, Austria	5	49	46

DIFFERENCE OF TIME—NEW YORK.

When it is 12 o'clock, noon, at NEW YORK CITY, it will be morning at all places *west* of New York, and afternoon at all places *east*, as shown in the following table:

WEST OF NEW YORK.	H	M	S	WEST OF NEW YORK.	H	M	S
Auburn, N. Y.	11	50	12	St. Paul, Min.	10	43	45
Augusta, Ga.	11	28	28	San Francisco, Cal.	8	46	19
Baltimore, Md.	11	49	38	Savannah, Ga.	11	31	32
Buffalo, N. Y.	11	40	24	Springfield, Ill.	10	57	52
Charleston, S. C.	11	36	22	Tallahassee, Fla.	11	17	40
Chicago, Ill.	11	6	2	Toronto, C. W.	11	38	38
Cincinnati, O.	11	18	16	Trenton, N. J.	11	57	28
Columbus, O.	11	23	52	Utica, N. Y.	11	55	12
Dayton, O.	11	19	20	Washington, D. C.	11	47	53
Detroit, Mich.	11	23	54	Wilmington, Del.	11	54	12
Geneva, N. Y.	11	47	53	Yorktown, Va.	11	49	48
Harrisburg, Pa.	11	48	44				
Honolulu, S. I.	6	24	8				
Indianapolis, Ind.	11	11	44				
Jefferson, Mo.	10	47	32				
Key West, Fla.	11	28	54				
Knoxville, Tenn.	11	20	28				
Little Rock, Ark.	10	47	16				
Louisville, Ky.	11	14	4				
Milledgeville, Ga.	11	22	45				
Milwaukee, Wis.	11	4	16				
Mobile, Ala.	11	0	2				
Monterey, Cal.	8	48	35				
Nashville, Tenn.	11	8	48				
Natchez, Miss.	10	50	26				
Newark, N. J.	11	59	24				
Newbern, N. C.	11	47	44				
New Orleans, La.	10	56	4				
Norfolk, Va.	11	50	49				
Petersburg, Va.	11	46	44				
Philadelphia, Pa.	11	55	25				
Pittsburg, Pa.	11	35	56				
Raleigh, N. C.	11	40	52				
Richmond, Va.	11	46	15				
Rochester, N. Y.	11	44	40				
Sacramento, Cal.	8	56	4				
St. Augustine, Fla.	11	29	44				
St. Louis, Mo.	10	55	4				

EAST OF NEW YORK.	H	M	S
Albany, N. Y.	0	1	6
Augusta, Me.	0	16	44
Bangor, Me.	0	26	56
Berlin, Prus.	5	49	39
Boston, Mass.	0	11	50
Constantinople	6	52	0
Dublin, Irel'd	4	30	42
Edinburgh	4	43	21
Fredericton, N. B.	0	29	4
Halifax, N. S.	0	41	38
Hamburg, Ger.	5	35	58
Hartford, Ct.	0	5	21
London, Eng.	4	55	41
Lowell, Mass.	0	10	48
Middletown, Ct.	0	5	28
Montreal, C. E.	0	1	44
New Haven, Ct.	0	4	23
Paris, France	5	5	26
Portland, Me.	0	15	10
Providence, R. I.	0	10	25
Quebec, C. E.	0	11	0
Rome, Italy	5	45	59
St. Petersburg	6	57	18
Stockholm, Sw'n.	6	8	18
Vienna, Austria	6	1	37

RATES OF POSTAGE.

LETTERS TO ANY PART OF THE UNITED STATES, 3 cents for each 1-2 ounce or part thereof.

DROP LETTERS, 2 cents per each 1-2 ounce.

ADVERTISED LETTERS, 1 cent, in addition to the regular rates.

VALUABLE LETTERS may be registered on application at the office of mailing, and the payment of a registration fee not exceeding 20 cents.

TRANSIENT NEWSPAPERS, Periodicals, Pamphlets, Blanks, Proof Sheets, Book Manuscripts, and all mailable printed matter, (except circulars and books,) 2 cents for each and every 4 ounces. Double these rates are charged for Books.

UNSEALED CIRCULARS, (to one address) not exceeding 3 in number, 2 cents, and in the same proportion for a greater number.

SEEDS, CUTTINGS, ROOTS, &c., 2 cents for each 4 ounces or less quantity.

ALL PACKAGES of Mail Matter not charged with letter postage must be so arranged that the same can be *conveniently* examined by Postmasters; if not, letter postage will be charged.

NO PACKAGE will be forwarded by mail which weighs over 4 pounds.

ALL POSTAGE MATTER, for delivery within the United States, must be PREPAID by stamps, except duly certified letters of soldiers and sailors.

WEEKLY NEWSPAPERS (one copy only) sent to actual Subscribers within the County where printed and published, *free*.

LETTERS TO CANADA and other British North American Provinces, when not over 3000 miles, 6 cents for each 1-2 ounce, if prepaid; if not prepaid, 10 cents. When over 3000 miles, 10 cents. To Newfoundland, 10 cents; over 3000 miles, 15 cents. Prepayment required.

LETTERS TO GREAT BRITAIN OR IRELAND, 12 cents. Prepayment optional.

LETTERS TO FRANCE, 15 cents for each 1-4 ounce. Prepayment optional.

LETTERS TO OTHER FOREIGN COUNTRIES vary in rate according to the route by which they are sent, and the proper information can be obtained of any Postmaster in the United States.

MONEY ORDERS.

MONEY ORDER POST OFFICES are established in most of the large cities and towns, at which orders can be obtained upon any other office, at the following *rates of commission:*

On orders not exceeding $20	10 cents.
Over $20 and not exceeding $30	15 "
Over $30 " " $40	20 "
Over $40 " " $50	25 "

No single order issued for less than one dollar nor more than fifty dollars. Parties desiring to remit larger sums must obtain additional money orders.

A COMPLETE

Table of Stamp Duties,

AS APPROVED MARCH 26, 1867.

AGREEMENT, or CONTRACT, not otherwise specified; any appraisement of value or damage, or for other purpose; for each agreement, or for each sheet of each agreement, &c., or renewal of same, $0.05

ASSIGNMENT.—See conveyance.

BANK CHECK, DRAFT, or ORDER for the payment of any sum of money drawn upon any bank, banker, or trust company, or for any sum exceeding $10, drawn upon any other person, companies, or corporations, at sight or on demand..... .02

BILL OF EXCHANGE, (*Inland,*) DRAFT, or ORDER, for the payment of money, not at sight or on demand, or any PROMISSORY NOTE, (except bank notes issued for circulation, and checks made and intended to be forthwith presented, and which shall be presented to a bank or banker for payment,) or any memorandum, check, receipt, or other written or printed evidence of money to be paid on demand, or at a time designated, for every $100 or part thereof..... .05

BILL OF EXCHANGE, (*Foreign,*) or LETTERS OF CREDIT, drawn in but payable out of the United States:

If drawn singly or in duplicate, same as Inland bills of Exchange.

If drawn in sets of three or more, every bill of each set, for every $100, or the equivalent thereof, in any foreign currency in which the bill is expressed..... .02

BILL OF LADING, or RECEIPT, (other than charter party,) for any goods &c., exported to a foreign port ..... .10

BILL OF SALE OF VESSEL, or any part thereof, consideration of value not over $500	50
Every add'l $500, or part thereof, 50 cents more.	
BOND OF INDEMNITY, every $1,000, or part thereof	.50
BOND, for the execution of the duties of any office	1.00
BOND, other than required in legal proceedings, or used in connection with mortgage deeds, and not otherwise charged	.25
CERTIFICATE OF STOCK, in incorporated company	.25
CERTIFICATE OF PROFITS, or any certificate or memorandum showing an interest in the property or accumulations of any incorporated company, if for $10 and not over $50	.10
Over $50 and not over $1,000	.25
Every add'l $1,000, or part thereof, 25 cents more.	
CERTIFICATE OF DAMAGE, or otherwise, and all other certificates or documents issued by any port warden, marine surveyor, or person acting as such	.25
CERTIFICATE OF DEPOSIT, $100 or less	.02
Over $100	.05
(Certificates of measurement or weight of animals, wood, coal, or hay; certificate of the record of a deed or other instrument in writing, or of the acknowledgment or proof thereof, by attesting witnesses, require no stamp.)	
CERTIFICATE, of any other description	.05
CHARTER PARTY, (or renewal &c. of same,) contract or agreement for charter of vessel or steamer of registered tonnage, not over 150 tons	1.00
Over 150 and not over 300 tons	3.00
Over 300 and not over 600 tons	5.00
Over 600 tons	10.00
CONTRACT, or renewal, Broker's note, or memorandum of sale of merchandise, exchange, real estate, or other property issued by brokers, or persons acting as such, each	.10
CONVEYANCE.—Deed or writing, whereby any lands, tenements, or other realty sold is granted, assigned, or transferred, for every $500, or part thereof	.50

ENTRY OF GOODS, &c., at any custom house, for consumption or warehousing, of value not over $100	.25
Over $100 and not over $500	.50
Over 500	1.00
WITHDRAWAL from bonded warehouse	.50
INSURANCE (*Life*).—Policy, (or assignment, &c. of same,) not over $1,000	.25
Over $1,000 and not over $5000	.50
Over 5,000	1.00
INSURANCE, (*Marine, Inland, and Fire*).—Each policy or renewal, (or assignment, &c. of same,) on which premium is $10 or less	.10
Over $10 and not over $50	.25
Over 50	.50
INSURANCE against accidental injury to persons, exempt.	
LEASE, agreement, memorandum, or contract, for the hire, use, or rent of any land, tenement, or portion thereof, when rent or rental value is not over $300 per annum	.50
Every add'l $200, or part thereof, 50 cents more.	
LEASE, ASSIGNMENT OF.—A stamp duty equal to that imposed on the original instrument, increased by a stamp duty on the consideration or value of the assignment equal to that imposed upon the conveyance of land for similar consideration or value. (See Conveyance.)	
MANIFEST, for custom house entry or clearance of vessel's cargo for foreign port, (except to British North America,) tonnage not over 300 tons	1 00
Over 300 and not over 600 tons	3.00
Over 600 tons	5.00
MORTGAGE, Trust Deed, or Personal Bond, for the payment of money, over $100 and not over $500	.50
Every add'l $500, or part thereof, 50 cents more.	
Upon each assignment or transfer of a mortgage, a stamp duty equal to that upon a mortgage for the amount remaining unpaid.	
TRUST DEED conveying estate to uses, to be stamped as a conveyance.	

OFFICIAL INSTRUMENTS, documents and papers issued by the officers of the United States government, or by the officers of any State, county or town, require no stamp.

Affidavits in suits or legal proceedings, exempt.

ORDER for the payment of money.—See Bank Check.

PASSAGE TICKET, to foreign port, (except British North America,) costing $35 or less..... .50

Over $35 and not over $50..... 1.00

Every add'l $50, or part thereof, $1 more.

POWER OF ATTORNEY, to sell or transfer any stock, bond, or scrip, or for the collection of any dividend, or interest thereon ..... .25

To vote by proxy for officers of any corporation or society, (except religious, charitable, literary societies, or public cemeteries,)..... .10

To sell or rent real estate..... 1.00

To collect rents..... .25

To perform any act not herein mentioned..... .50

PROBATE OF WILL, or LETTERS OF ADMINISTRATION, value of estate not over $2,000..... 1.00

Every add'l $1,000, or part thereof, 50 cents more.

(Probate of will, letters testamentary or of administration, or administrator's or guardian's bonds, when the value of the estate, real and personal, does not exceed $1,000, require no stamp.)

PROMISSORY NOTE.—See Bill of Exchange, Inland.

PROTEST of note, bill of exchange, acceptance, check or draft, or any marine protest, whether protested by a notary public or by any other officer who may be authorized by law to make such protest, .25

RECEIPTS for any sum of money, or for the payment of any debt exceeding $20 in amount, not being for the satisfaction of any mortgage or judgment or decree of any court, or by indorsement on any stamped obligation in acknowledgment of its fulfilment ..... .02

WAREHOUSE RECEIPT, exempt.

CANNED MEATS, &c., for and upon every can, bottle or other single package, containing meats, fruits, vegetables, sauces, sirups, prepared mustard, jams or jellies, not exceeding 2 lbs. in weight... .01

Every additn'l pound or part thereof, 1 cent more.

PROPRIETARY, Medicines, Perfumery, Cosmetics, Preparations, &c., each package retailed at not over 25 cents ..... .01

Over 25 cents and not over 50 cents ..... .02

Over 50 cents and not over 75 cents ..... .03

Over 75 cents and not over $1..... .04

Every add'l 50 cents, or part thereof, 2 cents more.

FRICTION MATCHES, or lucifer matches, or other articles made in part of wood, and used for like purposes, each package of 100 matches or part thereof..... .01

Packages of more than 100 matches, for each 100 or part thereof..... .01

CIGAR LIGHTS, made in part of wood, wax, glass, paper, or other materials, in packages containing twenty-five lights or less, each package..... .01

Every additional twenty-five lights or part thereof, 1 cent more.

PLAYING CARDS, for and upon every pack, not exceeding fifty-two cards in number, irrespective of price or value..... .05

☞ The indiscriminate use of all kinds of stamps (except postage or proprietary) is permitted, care being taken to affix a stamp or stamps of the proper amount.

Documents made in any foreign country, to be used in the United States, shall pay the same duty as when made here.

Powers of Attorney, or other papers relating to applications for bounties, arrearages of pay, or pensions, require no stamp; neither do indorsement of negotiable instrument, nor any warrant of attorney accompanying a bond or note when such bond or note shall be stamped; and whenever any bond or note shall be secured by mortgage, but one stamp duty is required, provided the stamp duty placed thereon is the highest rate required for said instrument, or either of them.

The person using or affixing the stamp or stamps, shall write thereupon the initials of his name and the date upon which the same shall be attached or used, so that the same shall not be used again, under a penalty of $50; or they may be otherwise canceled as the Commissioner of Internal Revenue may prescribe.

Violations of these Stamp Duties will be punished as the law directs.

ECLIPSES IN 1870.

IN the year 1870 there will be six Eclipses; four of the Sun, and two of the Moon.

I.—A TOTAL ECLIPSE OF THE MOON, January 17th, visible more or less to the continents of the globe, except to South America. Partially visible to the following places at the times given:

PHASES.	NEW YORK.	BOSTON.	CHICAGO.
	d h m	*d h m*	*d h m*
Moon enters Penumbra	17 7 0 M.	17 7 12 M.	17 6 6 M.
Moon enters Shadow...	after setting.	after setting.	17 7 7 M.

II.—A PARTIAL ECLIPSE OF THE SUN, January 31st, visible to the South Polar Regions.

III.—A PARTIAL ECLIPSE OF THE SUN, June 29th, visible to the South Pacific Ocean.

IV.—A TOTAL ECLIPSE OF THE MOON, July 12th. The *last contact with Penumbra* will be visible, as the moon rises in the evening, to places of the United States as far west as the Mississippi River. This eclipse will be visible to the world generally, except to northwestern North America.

V.—A PARTIAL ECLIPSE OF THE SUN, July 28th. A very small and unimportant eclipse, visible to Kamschatka.

VI.—A TOTAL ECLIPSE OF THE SUN, December 22d, visible to Europe and the northern half of Africa.

Morning and Evening Stars.

VENUS will be *Evening Star* until February 23d, then *Morning Star* till December 8th, and *Evening Star* again the rest of the year.

JUPITER will be *Evening Star* until May 24th, then *Morning Star* till December 13th, and *Evening Star* again the rest of the year.

FASTS AND FEASTS
FOR 1870.

Septuagesima Sunday,	Feb. 13	Low Sunday.....	April 24
Shrove Sunday.....	" 27	Rogation Sunday.....	May 22
Ash Wednesday.....	Mar. 2	Ascension Day.....	" 26
First Sunday in Lent,	" 6	WHIT SUNDAY.....	June 5
Palm Sunday.....	April 10	Trinity Sunday.....	" 12
Good Friday.....	" 15	First Sund. in Advent,	Nov. 27
EASTER SUNDAY....	" 17	CHRISTMAS DAY.....	Dec. 25

Chronological Cycles, 1870.

Dominical Letter.....	B.	Solar Cycle.....	3
Epact.....	28	Roman Indiction.....	13
Lunar Cycle or Golden No.	9	Julian Period.....	6,583

MOON'S PHASES.		Boston.		New York.	
	Day.	h m		h m	
NEW MOON.....	1	7 21	P. M.	7 9	P. M.
FIRST Q'RTER.....	9	4 18	P. M.	4 6	P. M.
FULL MOON.....	17	10 1	A. M.	9 49	A. M.
LAST Q'RTER.....	24	5 39	A. M.	5 27	A. M.
NEW MOON.....	31	10 56	A. M.	10 44	A. M.

Day of M'th	Day of Week	Boston,								N. York.			
		Sun Rises.		Sun Sets.		Moon R & S		High Tide.				High Tide.	
								Morning.		Evening.		Morning.		Evening.	
		h	m	h	m	h	m	h	m	h	m	h	m	h	m
1	SA.	7	30	4	39	SETS		11	2	11	27	7	47	8	12
2	♒	7	30	4	39	5	32	11	51	.....		8	36	8	59
3	MO.	7	30	4	40	6	35	0	14	0	35	9	20	9	44
4	TU.	7	30	4	41	7	37	0	59	1	21	10	6	10	28
5	WE.	7	30	4	42	8	38	1	43	2	5	10	50	11	11
6	TH.	7	30	4	43	9	38	2	26	2	46	11	31	11	52
7	FR.	7	30	4	44	10	37	3	7	3	28	.....		0	13
8	SA.	7	29	4	45	11	36	3	49	4	11	0	34	0	56
9	♒	7	29	4	46	MORN		4	33	4	56	1	18	1	41
10	MO.	7	29	4	47	0	34	5	20	5	44	2	5	2	29
11	TU.	7	29	4	48	1	32	6	10	6	36	2	55	3	21
12	WE.	7	28	4	49	2	31	7	3	7	31	3	48	4	16
13	TH.	7	28	4	50	3	32	7	58	8	25	4	43	5	10
14	FR.	7	27	4	52	4	33	8	52	9	19	5	37	6	4
15	SA.	7	27	4	53	5	34	9	45	10	12	6	30	6	57
16	♒	7	27	4	54	6	32	10	38	11	3	7	23	7	48
17	MO.	7	26	4	55	RISES		11	28	11	52	8	13	8	37
18	TU.	7	25	4	56	6	19	.....		0	15	9	0	9	24
19	WE.	7	25	4	58	7	30	0	39	1	3	9	48	10	12
20	TH.	7	24	4	59	8	42	1	27	1	51	10	36	11	0
21	FR.	7	24	5	0	9	54	2	15	2	38	11	23	11	47
22	SA.	7	23	5	1	11	3	3	2	3	26	.....		0	11
23	♒	7	22	5	3	MORN		3	51	4	18	0	36	1	3
24	MO.	7	21	5	4	0	16	4	46	5	15	1	31	2	0
25	TU.	7	21	5	5	1	26	5	46	6	18	2	31	3	3
26	WE.	7	20	5	6	2	36	6	50	7	22	3	35	4	7
27	TH.	7	19	5	8	3	44	7	54	8	26	4	39	5	11
28	FR.	7	18	5	9	4	47	8	56	9	25	5	41	6	10
29	SA.	7	17	5	10	5	44	9	53	10	20	6	38	7	5
30	♒	7	16	5	12	SETS		10	45	11	9	7	30	7	54
31	MO.	7	15	5	13	5	21	11	31	11	53	8	16	8	38

Moon's Phases.	Day.	Boston. h m	New York. h m
First Q'rter..	8	1 35 P.M.	1 23 P.M.
Full Moon....	15	10 44 P.M.	10 32 P.M.
Last Q'rter..	22	2 2 P.M.	1 50 P.M.

Day of M'th	Day of Week	Boston. Sun Rises. h m	Sun Sets. h m	Moon R & S h m	High Tide. Morning. h m	Evening. h m	N. York. High Tide. Morning. h m	Evening. h m
1	Tu.	7 14	5 14	6 23	.....	0 14	8 59	9 19
2	We.	7 13	5 16	7 24	0 34	0 54	9 39	9 59
3	Th.	7 12	5 17	8 24	1 14	1 34	10 19	10 38
4	Fr.	7 11	5 18	9 23	1 53	2 12	10 57	11 16
5	Sa.	7 10	5 19	10 22	2 31	2 49	11 34	11 53
6	☽	7 8	5 21	11 20	3 8	3 28	.....	0 13
7	Mo.	7 7	5 22	MORN	3 49	4 10	0 34	0 55
8	Tu.	7 6	5 23	0 18	4 33	4 58	1 18	1 43
9	We.	7 5	5 25	1 17	5 24	5 51	2 9	2 36
10	Th.	7 4	5 26	2 18	6 19	6 49	3 4	3 34
11	Fr.	7 2	5 27	3 18	7 19	7 50	4 4	4 35
12	Sa.	7 1	5 29	4 16	8 20	8 50	5 5	5 35
13	☽	6 59	5 30	5 11	9 19	9 47	6 4	6 32
14	Mo.	6 58	5 31	6 2	10 15	10 42	7 0	7 27
15	Tu	6 57	5 32	RISES	11 9	11 34	7 54	8 19
16	We.	6 56	5 34	6 22	11 57	.....	8 42	9 5
17	Th	6 54	5 35	7 36	0 20	0 43	9 28	9 51
18	Fr.	6 53	5 36	8 50	1 6	1 30	10 15	10 38
19	Sa	6 51	5 37	10 4	1 53	2 17	11 2	11 25
20	☽	6 50	5 39	11 17	2 40	3 4	11 49	.....
21	Mo.	6 48	5 40	MORN	3 29	3 56	0 14	0 41
22	Tu.	6 47	5 41	0 28	4 24	4 53	1 9	1 38
23	We.	6 45	5 43	1 37	5 25	5 59	2 10	2 44
24	Th.	6 44	5 44	2 42	6 33	7 6	3 18	3 51
25	Fr.	6 42	5 45	3 41	7 38	8 9	4 23	4 54
26	Sa.	6 41	5 46	4 33	8 40	9 9	5 25	5 54
27	☽	6 39	5 47	5 18	9 36	10 2	6 21	6 47
28	Mo.	6 38	5 49	5 57	10 26	10 49	7 11	7 34
..	....	....	....	.....	.....	.....	.....	.....
..	....	....	....	.....	.....	.....	.....	.....
..	....	....	....	.....	.....	.....	.....	.....

Moon's Phases.	Day.	Boston. h m	New York. h m
New Moon.....	[illegible]	[illegible] A. M.	8 [illegible] A. M.
First Q'rter.....	10	8 27 A. M.	8 15 A. M.
Full Moon.....	17	9 8 A. M.	8 56 A. M.
Last Q'rter.....	23	11 53 P. M.	11 41 P. M.
New Moon.....	31	9 4 P. M.	8 52 P. M.

Day of M'th	Day of Week	Boston. Sun Rises. h m	Sun Sets. h m	Moon R & S h m	High Tide. Morning. h m	Evening. h m	N. York. High Tide. Morning. h m	Evening. h m
1	Tu.	6 36	5 50	SETS	11 10	11 29	7 55	8 14
2	We.	6 34	5 51	6 14	11 48	.....	8 33	8 51
3	Th.	6 33	5 52	7 14	0 6	0 24	9 9	9 27
4	Fr.	6 31	5 54	8 12	0 42	1 0	9 45	10 3
5	Sa.	6 29	5 55	9 10	1 18	1 36	10 21	10 39
6	☽	6 28	5 56	10 9	1 54	2 13	10 58	11 17
7	Mo.	6 26	5 57	11 8	2 32	2 51	11 36	11 56
8	Tu.	6 24	5 58	MORN	3 11	3 32	.....	0 17
9	We.	6 23	5 59	0 7	3 54	4 18	0 39	1 3
10	Th.	6 21	6 1	1 5	4 44	5 13	1 29	1 58
11	Fr.	6 19	6 2	2 3	5 43	6 14	2 28	2 59
12	Sa.	6 18	6 3	2 58	6 46	7 19	3 31	4 4
13	☽	6 16	6 4	3 49	7 52	8 23	4 37	5 8
14	Mo.	6 14	6 5	4 36	8 54	9 24	5 39	6 9
15	Tu.	6 12	6 6	5 19	9 53	10 21	6 38	7 6
16	We.	6 11	6 8	5 57	10 47	11 11	7 32	7 56
17	Th.	6 9	6 9	RISES	11 34	11 57	8 19	8 42
18	Fr.	6 7	6 10	7 43	.....	0 20	9 5	9 28
19	Sa.	6 6	6 11	8 59	0 43	1 7	9 52	10 15
20	☽	6 4	6 12	10 14	1 30	1 54	10 39	11 4
21	Mo.	6 2	6 13	11 26	2 19	2 44	11 29	11 55
22	Tu.	6 0	6 14	MORN	3 10	3 37	.....	0 22
23	We.	5 59	6 15	0 34	4 6	4 36	0 51	1 21
24	Th.	5 57	6 16	1 36	5 8	5 41	1 53	2 26
25	Fr.	5 55	6 18	2 31	6 14	6 47	2 59	3 32
26	Sa.	5 53	6 19	3 19	7 19	7 50	4 4	4 35
27	☽	5 52	6 20	4 0	8 19	8 47	5 4	5 32
28	Mo.	5 50	6 21	4 34	9 12	9 36	5 57	6 21
29	Tu.	5 48	6 22	5 4	9 58	10 19	6 43	7 4
30	We.	5 46	6 23	5 31	10 39	10 59	7 24	7 44
31	Th.	5 45	6 24	5 56	11 17	11 35	8 2	8 20

Moon's Phases.	Day.	Boston. h m		New York. h m	
First Q'rter..	8	11 41	P.M.	11 29	P.M.
Full Moon....	15	5 42	P.M.	5 30	P.M.
Last Q'rter..	22	11 41	A.M.	11 29	A.M.
New Moon....	30	1 53	P.M.	1 41	P.M.

Day of M'th	Day of Week	Boston. Sun Rises. h	m	Sun Sets. h	m	Moon R & S h	m	High Tide. Morning. h	m	Evening. h	m	N. York. High Tide. Morning. h	m	Evening. h	m
1	Fr.	5	43	6	26	7	3	11	52	.....		8	37	8	54
2	Sa.	5	41	6	27	8	2	0	9	0	26	9	11	9	29
3	♋	5	39	6	28	9	1	0	44	1	2	9	47	10	6
4	Mo.	5	38	6	29	10	0	1	21	1	40	10	25	10	45
5	Tu.	5	36	6	30	10	58	2	0	2	20	11	5	11	26
6	We.	5	34	6	31	11	55	2	41	3	2	11	47	.....	
7	Th.	5	33	6	32	MORN		3	25	3	50	0	10	0	35
8	Fr.	5	31	6	33	0	51	4	16	4	45	1	1	1	30
9	Sa.	5	29	6	34	1	43	5	15	5	46	2	0	2	31
10	♋	5	28	6	36	2	30	6	10	6	53	3	4	3	38
11	Mo.	5	26	6	37	3	12	7	26	7	58	4	11	4	43
12	Tu.	5	24	6	38	3	50	8	29	8	58	5	14	5	43
13	We.	5	23	6	39	4	25	9	26	9	54	6	11	6	39
14	Th.	5	21	6	40	4	58	10	21	10	46	7	6	7	31
15	Fr.	5	19	6	41	RISES		11	10	11	34	7	55	8	29
16	Sa.	5	18	6	42	7	48	11	57	.....		8	42	9	5
17	♋	5	16	6	44	9	4	0	20	0	43	9	28	9	53
18	Mo.	5	15	6	45	10	18	1	8	1	34	10	19	10	45
19	Tu.	5	13	6	46	11	25	2	0	2	27	11	12	11	38
20	We.	5	12	6	47	MORN		2	53	3	20	.....		0	5
21	Th.	5	10	6	48	0	26	3	48	4	18	0	33	1	3
22	Fr.	5	8	6	49	1	18	4	48	5	19	1	33	2	4
23	Sa.	5	7	6	50	2	[illegible]	5	50	6	21	2	35	3	6
24	♋	5	5	6	51	2	38	6	51	7	20	3	36	4	5
25	Mo.	5	4	6	52	3	8	7	48	8	14	4	33	4	59
26	Tu.	5	2	6	53	3	35	8	38	9	1	5	23	5	46
27	We.	5	1	6	54	4	0	9	23	9	45	6	8	6	30
28	Th.	5	0	6	56	4	25	10	5	10	25	6	50	7	10
29	Fr.	4	58	6	57	4	50	10	44	11	2	7	29	7	37
30	Sa.	4	57	6	58	5	15	11	20	11	38	8	5	8	23
..	....	....		....		.....		.....		.....		.....		....	

Moon's Phases.	Day.	Boston. h m		New York. h m	
First Q'rter..	8	10 53	A.M.	10 41	A.M.
Full Moon....	15	1 19	A.M.	1 7	A.M.
Last Q'rter..	22	1 25	A.M.	1 13	A.M.
New Moon....	30	5 13	A.M.	5 1	A.M.

Day of M'th	Day of Week	Boston. Sun Rises. h	m	Sun Sets. h	m	Moon R & S h	m	High Tide. Morning. h	m	Evening. h	m	N. York. High Tide. Morning. h	m	Evening. h	m
1	♋	4	55	6	59	7	53	11	56	.....		8	41	8	59
2	Mo.	4	54	7	0	8	53	0	14	0	33	9	18	9	38
3	Tu.	4	53	7	1	9	51	0	53	1	13	9	58	10	19
4	We.	4	51	7	2	10	47	1	34	1	56	10	41	11	3
5	Th.	4	50	7	3	11	39	2	18	2	41	11	26	11	49
6	Fr.	4	49	7	5	MORN		3	4	3	29	.....		0	14
7	Sa.	4	48	7	6	0	27	3	56	4	23	0	41	1	8
8	♋	4	46	7	7	1	10	4	52	5	23	1	37	2	8
9	Mo.	4	45	7	8	1	49	5	55	6	28	2	40	3	13
10	Tu.	4	44	7	9	2	24	7	0	7	31	3	45	4	16
11	We.	4	43	7	10	2	56	8	1	8	30	4	46	5	15
12	Th.	4	42	7	11	3	27	8	59	9	27	5	44	6	12
13	Fr.	4	41	7	12	3	58	9	54	10	21	6	39	7	6
14	Sa.	4	40	7	13	4	32	10	47	11	12	7	32	7	57
15	♋	4	39	7	14	RISES		11	36	.....		8	21	8	45
16	Mo.	4	38	7	15	9	6	0	0	0	25	9	10	9	35
17	Tu.	4	37	7	16	10	12	0	50	1	16	10	1	10	27
18	We.	4	36	7	17	11	9	1	42	2	9	10	54	11	20
19	Th.	4	35	7	18	11	58	2	35	3	2	11	47	.....	
20	Fr.	4	34	7	19	MORN		3	28	3	55	0	13	0	40
21	Sa.	4	33	7	20	0	38	4	22	4	50	1	7	1	35
22	♋	4	32	7	21	1	10	5	19	5	47	2	4	2	32
23	Mo.	4	31	7	22	1	38	6	13	6	39	2	58	3	24
24	Tu.	4	30	7	23	2	5	7	5	7	31	3	50	4	16
25	We.	4	30	7	24	2	31	7	56	8	20	4	41	5	5
26	Th.	4	29	7	25	2	55	8	43	9	5	5	28	5	50
27	Fr.	4	28	7	26	3	19	9	26	9	47	6	11	6	32
28	Sa.	4	28	7	27	3	45	10	8	10	29	6	53	7	14
29	♋	4	27	7	27	4	14	10	49	11	9	7	34	7	54
30	Mo.	4	27	7	28	SETS.		11	29	11	49	8	14	8	34
31	Tu.	4	26	7	29	8	43	.....		0	9	8	54	9	15

Moon's Phases.	Day.	Boston. h m	New York. h m
First Q'rter..	6	6 32 P.M.	6 20 P.M.
Full Moon....	13	9 3 A.M.	8 51 A.M.
Last Q'rter..	20	4 50 P.M.	4 38 P.M.
New Moon....	28	6 49 P.M.	6 37 P.M.

Day of M'th	Day of Week	Boston. Sun Rises. h m	Sun Sets. h m	Moon R & S h m	High Tide. Morning. h m	Evening. h m	N. York. High Tide. Morning. h m	Evening. h m
1	We.	4 26	7 30	9 37	0 30	0 52	9 37	10 0
2	Th.	4 25	7 31	10 27	1 15	1 37	10 22	10 45
3	Fr.	4 25	7 31	11 12	2 0	2 24	11 9	11 33
4	Sa.	4 24	7 32	11 51	2 48	3 13	11 58	.....
5	☽	4 24	7 33	MORN	3 38	4 4	0 23	0 49
6	Mo.	4 24	7 33	0 25	4 31	5 0	1 16	1 45
7	Tu.	4 23	7 34	0 57	5 30	6 0	2 15	2 45
8	We.	4 23	7 35	1 28	6 30	7 1	3 15	3 46
9	Th.	4 23	7 35	1 58	7 32	8 2	4 17	4 47
10	Fr.	4 23	7 36	2 29	8 32	9 1	5 17	5 46
11	Sa.	4 22	7 36	3 3	9 30	9 58	6 15	6 43
12	☽	4 22	7 37	3 42	10 26	10 53	7 11	7 38
13	Mo.	4 22	7 37	RISES	11 20	11 45	8 5	8 30
14	Tu.	4 22	7 38	8 43	.....	0 9	8 54	9 20
15	We.	4 22	7 38	9 48	0 35	1 1	9 46	10 11
16	Th.	4 22	7 38	10 33	1 26	1 51	10 36	11 1
17	Fr.	4 22	7 39	11 11	2 16	2 40	11 25	11 48
18	Sa.	4 22	7 39	11 42	3 3	3 26	.....	0 11
19	☽	4 23	7 39	MORN	3 50	4 14	0 35	0 59
20	Mo.	4 23	7 40	0 9	4 38	5 2	1 23	1 47
21	Tu.	4 23	7 40	0 34	5 27	5 52	2 12	2 37
22	We.	4 23	7 40	0 58	6 17	6 42	3 2	3 27
23	Th.	4 23	7 40	1 22	7 7	7 32	3 52	4 17
24	Fr.	4 24	7 40	1 48	7 57	8 22	4 42	5 7
25	Sa.	4 24	7 40	2 16	8 46	9 10	5 31	5 55
26	☽	4 24	7 40	2 47	9 34	9 57	6 19	6 42
27	Mo.	4 25	7 40	3 23	10 21	10 44	7 6	7 29
28	Tu.	4 25	7 40	4 6	11 6	11 28	7 51	8 13
29	We.	4 25	7 40	SETS	11 50	.....	8 35	8 57
30	Th.	4 26	7 40	9 12	0 12	0 35	9 20	9 44
..	....	....	....	.....	.....	.....	.....	.....

Moon's Phases.	Day.	Boston. h m	New York. h m
First Q'rter..	5	11 46 P.M.	11 34 P.M.
Full Moon....	12	5 51 P.M.	5 39 P.M.
Last Q'rter..	20	9 33 A.M.	9 21 A.M.
New Moon....	28	6 34 A.M.	6 22 A.M.

Day of M'th	Day of Week	Boston. Sun Rises. h m	Sun Sets. h m	Moon R & S h m	High Tide. Morning. h m	Evening. h m	N. York. High Tide. Morning. h m	Evening. h m
1	Fr.	4 26	7 40	9 52	0 59	1 21	10 6	10 29
2	Sa.	4 27	7 40	10 28	1 44	2 8	10 53	11 17
3	☽	4 27	7 40	11 1	2 32	2 55	11 40	.....
4	Mo.	4 28	7 40	11 32	3 19	3 43	0 4	0 28
5	Tu.	4 29	7 39	MORN	4 8	4 34	0 53	1 19
6	We.	4 29	7 39	0 0	5 2	5 32	1 47	2 17
7	Th.	4 30	7 39	0 29	6 3	6 35	2 48	3 20
8	Fr.	4 31	7 38	1 2	7 7	7 38	3 52	4 23
9	Sa.	4 31	7 38	1 39	8 9	8 41	4 54	5 26
10	☽	4 32	7 38	2 21	9 12	9 41	5 57	6 26
11	Mo.	4 33	7 37	3 8	10 10	10 38	6 55	7 23
12	Tu.	4 33	7 37	RISES	11 6	11 32	7 51	8 17
13	We.	4 34	7 36	8 25	11 56	.....	8 41	9 5
14	Th.	4 35	7 35	9 6	0 20	0 43	9 28	9 51
15	Fr.	4 36	7 35	9 41	1 6	1 28	10 13	10 35
16	Sa.	4 37	7 34	10 11	1 50	2 12	10 57	11 18
17	☽	4 38	7 34	10 37	2 33	2 53	11 38	11 58
18	Mo.	4 38	7 33	11 1	3 13	3 34	.....	0 19
19	Tu.	4 39	7 32	11 25	3 55	4 17	0 40	1 2
20	We.	4 40	7 31	11 50	4 39	5 2	1 24	1 47
21	Th.	4 41	7 30	MORN	5 27	5 53	2 12	2 38
22	Fr.	4 42	7 29	0 16	6 19	6 45	3 4	3 30
23	Sa.	4 43	7 29	0 45	7 12	7 39	3 57	4 24
24	☽	4 44	7 28	1 19	8 7	8 35	4 52	5 20
25	Mo.	4 45	7 27	2 0	9 1	9 27	5 46	6 12
26	Tu.	4 46	7 26	2 48	9 54	10 20	6 39	7 5
27	We	4 47	7 25	3 43	10 45	11 9	7 30	7 54
28	Th.	4 48	7 24	SETS	11 32	11 55	8 17	8 40
29	Fr	4 49	7 23	8 28	.....	0 17	9 2	9 25
30	Sa.	4 50	7 22	9 4	0 40	1 3	9 48	10 11
31	☽	4 51	7 21	9 35	1 26	1 49	10 34	10 57

Moon's Phases.	Day.	Boston. h m	New York. h m
First Q'rter..	4	4 7 A.M.	3 55 A.M.
Full Moon....	11	4 29 A.M.	4 17 A.M.
Last Q'rter..	19	3 6 A.M.	2 54 A.M.
New Moon....	26	4 41 P.M.	4 29 P.M.

Day of M'th	Day of Week	Boston. Sun Rises. h	m	Sun Sets. h	m	Moon R & S h	m	High Tide. Morning. h	m	Evening. h	m	N. York. High Tide. Morning. h	m	Evening. h	m
1	Mo.	4	52	7	20	10	4	2	12	2	34	11	19	11	42
2	Tu.	4	53	7	18	10	33	2	57	3	21	.....		0	6
3	We.	4	54	7	17	11	4	3	45	4	11	0	30	0	56
4	Th.	4	55	7	16	11	38	4	39	5	9	1	24	1	54
5	Fr.	4	56	7	15	MORN		5	41	6	13	2	26	2	58
6	Sa.	4	57	7	14	0	17	6	46	7	19	3	31	4	4
7	☽	4	58	7	12	1	3	7	53	8	26	4	38	5	11
8	Mo.	4	59	7	11	1	56	8	58	9	28	5	43	6	13
9	Tu.	5	0	7	10	2	54	9	58	10	26	6	43	7	11
10	We.	5	1	7	8	3	57	10	52	11	15	7	37	8	0
11	Th.	5	2	7	7	RISES		11	37	11	59	8	22	8	44
12	Fr.	5	3	7	6	8	10	.....		0	20	9	5	9	25
13	Sa.	5	4	7	4	8	38	0	40	1	0	9	45	10	5
14	☽	5	5	7	3	9	3	1	20	1	39	10	24	10	43
15	Mo.	5	7	7	1	9	27	1	58	2	17	11	2	11	20
16	Tu.	5	8	7	0	9	52	2	35	2	54	11	39	11	59
17	We.	5	9	6	58	10	18	3	14	3	34	.....		0	19
18	Th.	5	10	6	57	10	45	3	55	4	17	0	40	1	2
19	Fr.	5	11	6	55	11	16	4	41	5	6	1	26	1	51
20	Sa.	5	12	6	54	11	53	5	33	6	1	2	18	2	46
21	☽	5	13	6	52	MORN		6	31	7	1	3	16	3	46
22	Mo.	5	14	6	51	0	37	7	31	8	1	4	16	4	46
23	Tu.	5	15	6	49	1	29	8	31	9	0	5	16	5	45
24	We.	5	16	6	48	2	28	9	29	9	57	6	14	6	42
25	Th.	5	17	6	46	3	33	10	24	10	50	7	9	7	35
26	Fr.	5	18	6	44	SETS		11	14	11	36	7	59	8	21
27	Sa.	5	19	6	43	7	34	11	58	.....		8	43	9	5
28	☽	5	20	6	41	8	6	0	20	0	42	9	27	9	50
29	Mo.	5	21	6	39	8	36	1	5	1	27	10	12	10	35
30	Tu.	5	22	6	38	9	6	1	50	2	13	10	58	11	21
31	We.	5	23	6	36	9	39	2	36	3	0	11	45	.....	

Moon's Phases.	Day.	Boston. h m	New York. h m
First Q'rter..	2	9 14 A.M.	9 2 A.M.
Full Moon....	9	5 27 P.M.	5 15 P.M.
Last Q'rter..	17	8 46 P.M.	8 34 P.M.
New Moon....	25	1 50 A.M.	1 38 A.M.

Day of M'th	Day of Week	Boston. Sun Rises. h	m	Sun Sets. h	m	Moon R & S h	m	High Tide. Morning. h	m	Evening. h	m	N. York. High Tide. Morning. h	m	Evening. h	m
1	Th.	5	24	6	34	10	16	3	25	3	52	0	10	0	37
2	Fr.	5	26	6	33	10	59	4	20	4	51	1	5	1	36
3	Sa.	5	27	6	31	11	49	5	24	5	57	2	9	2	42
4	☽	5	28	6	29	MORN		6	32	7	7	3	17	3	52
5	Mo.	5	29	6	28	0	46	7	42	8	15	4	27	5	0
6	Tu.	5	30	6	26	1	48	8	46	9	14	5	31	5	59
7	We.	5	31	6	24	2	52	9	41	10	7	6	26	6	52
8	Th.	5	32	6	22	3	57	10	31	10	53	7	16	7	38
9	Fr.	5	33	6	21	RISES		11	14	11	33	7	59	8	18
10	Sa.	5	34	6	19	7	4	11	51	.....		8	36	8	45
11	☽	5	35	6	17	7	29	0	10	0	28	9	13	9	32
12	Mo.	5	36	6	15	7	53	0	47	1	5	9	50	10	8
13	Tu.	5	37	6	14	8	18	1	23	1	41	10	26	10	44
14	We.	5	38	6	12	8	45	1	59	2	18	11	3	11	22
15	Th.	5	39	6	10	9	15	2	37	2	57	11	42	.....	
16	Fr.	5	40	6	8	9	49	3	18	3	40	0	3	0	25
17	Sa.	5	41	6	7	10	29	4	4	4	29	0	49	1	14
18	☽	5	43	6	5	11	16	4	56	5	25	1	41	2	10
19	Mo.	5	44	6	3	MORN		5	55	6	26	2	40	3	11
20	Tu.	5	45	6	1	0	11	6	58	7	31	3	43	4	16
21	We.	5	46	6	0	1	13	8	3	8	34	4	48	5	19
22	Th.	5	47	5	58	2	20	9	3	9	30	5	48	6	15
23	Fr.	5	48	5	56	3	31	9	57	10	24	6	42	7	9
24	Sa.	5	49	5	54	4	46	10	49	11	12	7	34	7	57
25	☽	5	50	5	52	SETS		11	35	11	57	8	20	8	42
26	Mo.	5	51	5	51	7	4	.....		0	19	9	4	9	26
27	Tu.	5	52	5	49	7	36	0	41	1	5	9	50	10	14
28	We.	5	53	5	47	8	13	1	29	1	53	10	38	11	2
29	Th.	5	54	5	45	8	56	2	17	2	42	11	27	11	54
30	Fr	5	56	5	44	9	45	3	9	3	37	.....		0	22

Moon's Phases.	Day.	Boston. h	m		New York. h	m	
First Q'rter	1	4	35	P. M.	4	23	P. M.
Full Moon	9	8	59	A. M.	8	47	A. M.
Last Q'rter	17	1	29	P. M.	1	17	P. M.
New Moon	24	10	51	A. M.	10	39	A. M.
First Q'rter	31	3	17	A. M	3	5	A. M.

Day of M'th	Day of Week	Boston. Sun Rises. h	m	Sun Sets. h	m	Moon R & S h	m	High Tide. Morning. h	m	Evening. h	m	N. York. High Tide. Morning. h	m	Evening. h	m
1	Sa.	5	57	5	42	10	40	4	6	4	38	0	51	1	23
2	☽	5	58	5	40	11	46	5	11	5	45	1	56	2	30
3	Mo.	5	59	5	38	MORN		6	19	6	53	3	4	3	38
4	Tu.	6	0	5	37	0	44	7	25	7	55	4	10	4	40
5	We.	6	1	5	35	1	48	8	24	8	51	5	9	5	36
6	Th.	6	2	5	33	2	51	9	16	9	40	6	1	6	25
7	Fr.	6	3	5	32	3	54	10	3	10	24	6	48	7	9
8	Sa.	6	4	5	30	4	56	10	44	11	3	7	29	7	48
9	☽	6	6	5	29	RISES		11	21	11	39	8	6	8	24
10	Mo.	6	7	5	27	6	20	11	56	.....		8	41	8	58
11	Tu.	6	8	5	25	6	46	0	13	0	31	9	16	9	34
12	We.	6	9	5	23	7	15	0	49	1	8	9	53	10	12
13	Th.	6	10	5	22	7	47	1	27	1	46	10	31	10	51
14	Fr.	6	12	5	20	8	24	2	6	2	27	11	12	11	34
15	Sa.	6	13	5	18	9	8	2	49	3	11	11	56	.....	
16	☽		14	5	17	9	59	3	34	3	59	0	19	0	44
17	Mo	6	15	5	15	10	57	4	26	4	55	1	11	1	40
18	Tu.	6	16	5	14	MORN		5	25	5	57	2	10	2	42
19	We.	6	17	5	12	0	0	6	29	7	1	3	14	3	46
20	Th.	6	19	5	11	1	8	7	32	8	3	4	17	4	48
21	Fr.	6	20	5	9	2	19	8	32	9	1	5	17	5	46
22	Sa.	6	21	5	8	3	33	9	29	9	55	6	14	6	40
23	☽	6	22	5	6	4	47	10	21	10	46	7	6	7	31
24	Mo.	6	23	5	5	SETS		11	9	11	32	7	54	8	17
25	Tu.	6	24	5	2	6	7	11	56	.....		8	41	9	5
26	We.	6	26	5	2	6	47	0	20	0	44	9	29	9	54
27	Th.	6	27	5	0	7	35	1	9	1	35	10	20	10	47
28	Fr.	6	28	4	59	8	30	2	2	2	29	11	14	11	42
29	Sa.	6	29	4	58	9	30	2	57	3	25	.....		0	10
30	☽	6	31	4	56	10	33	3	54	4	24	0	39	1	9
31	Mo.	6	32	4	55	11	38	4	55	5	27	1	40	2	12

Moon's Phases.	Day.	Boston. h	m		New York. h	m	
Full Moon	8	2	48	A.M.	2	36	A.M.
Last Q'rter	16	4	15	A.M.	4	3	A.M.
New Moon	22	8	37	P.M.	8	25	P.M.
First Q'rter	29	5	49	P.M.	5	37	P.M.

Day of M'th	Day of Week	Boston. Sun Rises. h	m	Sun Sets. h	m	Moon R & S h	m	High Tide. Morning. h	m	Evening. h	m	N. York. High Tide. Morning. h	m	Evening. h	m
1	Tu.	6	33	4	54	MORN		5	58	6	29	2	43	3	14
2	We.	6	34	4	52	0	43	6	58	7	26	3	43	4	11
3	Th.	6	36	4	51	1	47	7	53	8	19	4	38	5	4
4	Fr.	6	37	4	50	2	48	8	43	9	6	5	28	5	51
5	Sa.	6	38	4	49	3	48	9	27	9	48	6	12	6	33
6	☽	6	39	4	48	4	47	10	8	10	28	6	53	7	13
7	Mo.	6	41	4	46	5	46	10	48	11	7	7	33	7	52
8	Tu.	6	42	4	45	RISES		11	25	11	43	8	10	8	28
9	We.	6	43	4	44	5	48	.....		0	1	8	46	9	5
10	Th.	6	45	4	43	6	24	0	20	0	39	9	24	9	44
11	Fr.	6	46	4	42	7	5	0	59	1	20	10	5	10	26
12	Sa.	6	47	4	41	7	53	1	41	2	3	10	48	11	11
13	☽	6	48	4	40	8	47	2	26	2	49	11	34	11	58
14	Mo.	6	50	4	39	9	47	3	13	3	37	.....		0	22
15	Tu.	6	51	4	38	10	51	4	3	4	30	0	48	1	15
16	We.	6	52	4	37	11	59	4	59	5	29	1	44	2	14
17	Th.	6	53	4	37	MORN		5	59	6	29	2	44	3	14
18	Fr.	6	55	4	36	1	9	7	0	7	30	3	45	4	15
19	Sa.	6	56	4	35	2	21	8	0	8	29	4	45	5	14
20	☽	6	57	4	34	3	35	8	57	9	24	5	42	6	9
21	Mo.	6	58	4	34	4	51	9	51	10	18	6	36	7	3
22	Tu.	6	59	4	33	6	9	10	45	11	11	7	30	7	56
23	We.	7	1	4	32	SETS		11	36	.....		8	21	8	46
24	Th.	7	2	4	32	6	13	0	1	0	27	9	12	9	39
25	Fr.	7	3	4	31	7	13	0	54	1	21	10	6	10	34
26	Sa.	7	4	4	31	8	18	1	49	2	16	11	1	11	28
27	☽	7	5	4	30	9	25	2	43	3	9	11	54	.....	
28	Mo.	7	6	4	30	10	32	3	35	4	2	0	20	0	47
29	Tu.	7	7	4	29	11	37	4	30	4	58	1	15	1	43
30	We.	7	8	4	29	MORN		5	25	5	52	2	10	2	37
..	....	....		....		.....		....		.....		.....		.....	

Moon's Phases.	Day.	Boston. h m	New York. h m
Full Moon....	7	9 55 P.M.	9 43 P.M.
Last Q'rter..	15	4 26 P.M.	4 14 P.M.
New Moon....	22	7 34 A.M.	7 22 A.M.
First Q'rter..	29	11 54 A.M.	11 42 A.M.

Day of Month	Day of Week	Boston. Sun Rises. h	m	Sun Sets. h	m	Moon R & S h	m	High Tide. Morning. h	m	Evening. h	m	N. York. High Tide. Morning. h	m	Evening. h	m
1	Th.	7	9	4	29	0	40	6	19	6	46	3	4	3	31
2	Fr.	7	10	4	28	1	41	7	12	7	36	3	57	4	21
3	Sa.	7	11	4	28	2	40	8	0	8	24	4	45	5	9
4	☽	7	13	4	28	3	39	8	47	9	9	5	32	5	54
5	Mo.	7	14	4	28	4	38	9	30	9	52	6	15	6	37
6	Tu.	7	15	4	28	5	37	10	13	10	35	6	58	7	20
7	We.	7	16	4	28	6	37	10	56	11	16	7	41	8	1
8	Th.	7	17	4	28	RISES		11	36	11	56	8	21	8	41
9	Fr.	7	17	4	28	5	49	.....		0	16	9	1	9	22
10	Sa.	7	18	4	28	6	41	0	37	0	59	9	44	10	6
11	☽	7	19	4	28	7	40	1	21	1	44	10	29	10	52
12	Mo.	7	20	4	28	8	43	2	7	2	30	11	15	11	33
13	Tu.	7	21	4	28	9	49	2	53	3	16	.....		0	1
14	We.	7	22	4	28	10	56	3	40	4	5	0	25	0	50
15	Th.	7	22	4	29	MORN		4	31	4	58	1	16	1	43
16	Fr.	7	23	4	29	0	4	5	26	5	56	2	11	2	41
17	Sa.	7	24	4	29	1	14	6	26	6	56	3	11	3	41
18	☾	7	24	4	29	2	27	7	26	7	57	4	11	4	42
19	Mo.	7	25	4	30	3	41	8	27	8	57	5	12	5	12
20	Tu.	7	26	4	30	4	57	9	27	9	56	6	12	6	41
21	We.	7	26	4	31	6	14	10	25	10	54	7	10	7	39
22	Th.	7	27	4	31	SETS		11	21	11	46	8	6	8	31
23	Fr.	7	27	4	32	5	54	.....		0	12	8	57	9	24
24	Sa.	7	27	4	32	7	3	0	39	1	6	9	51	10	17
25	☾	7	28	4	33	8	13	1	32	1	57	10	42	11	7
26	Mo.	7	28	4	34	9	22	2	22	2	46	11	31	11	54
27	Tu.	7	29	4	34	10	27	3	9	3	32	.....		0	17
28	We.	7	29	4	35	11	30	3	55	4	19	0	40	1	4
29	Th.	7	29	4	36	MORN		4	43	5	7	1	28	1	52
30	Fr.	7	29	4	36	0	31	5	32	5	57	2	17	2	42
31	Sa.	7	30	4	37	1	30	6	23	6	48	3	8	3	33

SATURDAY, JANUARY 1, 1870.

Cloudy but did not rain. Ther. about 40°. 48°. 40°. Rose as usual. After breakfast went to work on my accumulated Birds, and had the whole seventeen laid out by 4 P.M.

Then took a walk with Dora as far as Mt. Auburn gate.

The new year comes in more like April than Jan. Not a speck of snow can be found anywhere, the frost is entirely out of the ground, the sidewalks are dry and mother to day gathered a bouquet of pansies in our garden that were in full bloom.

Cloudy and fairly pourish all day. Ther. above 38° – 48° – 38° Rose as usual. Attended Church in A. M.

Spend the afternoon in the house reading about and talking with the boys.

In the evening we all went up to see Ruth Deane. Fresh snow fell upon top entirely to day. The wind blew so hard as to take down several buildings.

Cloudy but very windy. Ther. about 35° – 36° F. 34° Rose as usual. After breakfast had the general harnessed and went up to West Stockbridge to see Mr. Maynard but he was away from home. Left him some Certificates and fine Gold Crests.

On the way up saw a Strike.

Got home by 1.30 P. M. and took out my horse.

Took the 1.20 car for Boston and had my cavity filled and another discovered.

Took in my shades to be grained & got a samovar. Collyrio Bar. Saw one

Clear but quite windy and cold! Thermometer 31° — 40° — 38°.
Rose as usual. After breakfast went down-town, first up around the pond and then over into Watertown. Took Eclaptis Auratus two ♂; Euthia Cinnamomea two; Trog. Hymenalis ♂ and Regulus Sat. 4. Shot off a large hornets nest in Watertown. Got home at 2:30 P. M. and taking out Katie, took a ride over through Brighton.

Trog. Hymenalis took a ♂. Eclaptis Auratus, took two and saw three more. Reg. Satrapa, took a 4

A. M. cloudy & had a snow squall. Cleared up in P. M. Rose as usual. After breakfast had the general post-mortem and rode up to Maynards but did not find him at home. Got back at 11:45. After lunch went to work on the fine birds taken yesterday and did them all up before dark. H. Pierstell brought me in fine Regulus Sat. which he had killed with a crossbow.
In the evening attended the Chat. Phil. Soc. meeting.

~~Lecture of Prof. Gray on the Ice Age.~~

A. M. cloudy. P. M. clear. Thr. about 26° — 40° — 45°.
Rose as usual. After breakfast rode up to Westborough and spent the forenoon with Mr. Maynard latting violin &c.
At 1 P.M. we came down together and after getting my Chickadees proceeded together to the museum and had a long talk with Allen. We also compared my Gorham Polyactitechs with the specimen of his.
On the way up to Maynard's saw a Strix Collyrio Borealis, saw one in remarkably brown plumage.

Saw Mr. Maynard, saw Merrill
Clear but cold and very windy. Thr. about 28° — 25° — 20°.
Rose as usual.
After breakfast went shooting with Dart. Struck up around Mt. Auburn and took Par. Atricap. tenuis, Pic Pubescens (♀). Search for the Shrike seen yesterday but could not find him. Then over into Waverly & took Certhia Americana. Then to the edge of Arlington and took Par. Atri. tenuis, Pic Pubes ♂, and Spiz. Monticola. Got home at 4.30 P.M. pretty well tired out.
Yesterday Columbarius, saw a small hawk probably this Cyan. Cris. saw hawk.
Certhia Am. took one

four inches falling.
Cloudy and cold.
Thr. about 24° — 28° —
20°. Rose as usual.
After breakfast, as
father had a bad cold
and decided not to
have the horses, I took
the car into Boston,
and sat in father's
office all the afternoon. Had lunch
at 2 P. M. and
after trying several
articles came out
at 3.
In the evening
stuffed the fine Golden
crests shell by H.
Russell.
Began to snow at
about 10 A. M. and
snowed into the
evening about

Clear and cold. Thr.
about 14° — 25° —
16°.
Rose as usual.
Attended church
in A. M. walking
up with Theo. Russell.
In P. M. took a
walk up to the pond
with Charlie and
saw two Long Sparrows.
The pond still con-
tinues open except
in the coves.
On the way home
Charlie left me and I
called at R. Deanes, find
ing him out and then
at the Russell's where
I took tea

Melospiza Melodia, and
Junco Hyemalis, saw Howard
Cushing, saw two

Cloudy and snowed all day about an inch falling in all
Thermometer — 20° — 28° — 25°.
Rose as usual.
After breakfast began on the birds collected Friday and laid out all but eight Chicks.
Took the 1.30 P. M. car for Boston and had two cairtes filled by Dr. Stearns.
Went down to J. P. Wilkinson's and bought a steel measure marked off into hundredths of inches.
There is just enough snow to make sleighing
Received an invitation to Mardie Wyman's party.

Clear and warm.
Thermometer — 32° — 45° — 40°. Rose as usual.
After breakfast finished the Chicks, getting through at about 1 noon.
Then took Hattie in the buggy, as the sun had by this time melted all the snow, and took a ride up through Waltham and then over into Belmont, and down by the pond, which is again open over.

Abbotsford & Melrose
saw one
specimen of Montiegle
sail in large flock.

Cloudy but raised only of very little Wind. about 35° — 45° — 40°.
Rose as usual.
After breakfast went into Boston and attended an auction sale of engravings at 50 Brimfield St.
About two hundred engravings were sold in all. Bought a Madonna for $7.00 called in at Hills. Davenports store and went all over it. Came out at 1.30 P.M. at 4 P.M. went down to the house and meeting Mr. Barker with him called over it

Cloudy and warm. Commenced to rain at about 1.30 P.M. and rained hard until of the afternoon.
Wind altered 34° 40° 25° Rose as usual.
After breakfast with John's double barrell and Dart and went shooting. Went up around Fresh pond and shot around the flag staff hill.
Took par. Atre. Cover, Sing. Board, Fly, and Pill Pocket. Q.
Got home at 2.30 pretty well soaked. Dan called in P.M. and played till 5.30 P.M.

Collyria Borealis, Dan Ou Chay. Griffis, Dan Tro. Tore. Am. Dan Stevens.

Cloudy and snowed all day but very little snow.
Thm. about 10° — 25° — 16°.
After breakfast went to work on the birds house yesterday and with numerous interruptions finished them by 4 P.M.
Mandie Wyman had a German this evening to which I was invited but did not go.
I went in the evening to see a walk.)

Cloudy and rained hard all day, the rain freezing as it fell until by night there was a coating of ice over everything, nearly an inch thick making the walking very hard. Thm. about 16° — 32° — 30°
Rose at usual. After breakfast went down to see Mr. Atkinson and after stiffening our horses we drove into Boston together. Went first to Reed's, and then into several pictures stores on Washington St. Then Annie left me and I went down to the Club House. Dined and played billiards on the billiard table 4 P.M.

Pleasant and clear
Thr. about 40° —
60° — 65°.
Rose as usual.
Attended church
in A. M.
After dinner
J. Atkinson came
up and we went
up to Mr. Davenports together
and looked over
his collection.
For the evening
Charlie and I
went down to
the new church
and heard Mr.
Brooks.
After service
walked up as far
as Flagg's with
E. Noble, J. Gassett, &
A. Whitmore.

Cloudy and rainy
hard in the afternoon.
Thr. about 34° —
48° — 40°.
Rose as usual. After
breakfast took my
gun and went out
West up around
the pond into Belmont.
Got a Spring Blue
bird (one partial albino)
Pic. Picoides villosus
Melodia melodia
Junco hyemalis.
Got home at 2.30
P. M. just in time
to escape the rain.
After getting off my
things went down to my
birds. R. Dana called
at 4. 10 P. M.
Mr. Mead talked on
Egyptian Inscriptions, took
a

Clear and windy.
Thr. about 30° — 25° — 30°. Rose as usual.
After breakfast took my gun and Hart and went up into Watertown. Did not fire a shot at anything except a red squirrel which I did not hit.
Got home at 2 P.M. and went to work on the lines skinned yesterday and finished them before dinner.

Clear and pleasant.
Thr. about 28° — 38° & 30°.
Rose as usual.
After breakfast had the oxen harnessed and took mother to rich. Got home at about 12 A.M.
Spent the P.M. in writing in my bird record and accomplished a good deal.

Clear and a most lovely day. Thermometer 26° at 4 P.M. — 36°.
Started skating immediately after breakfast. The air was clear and bracing and the grass covered by a white frost. Struck over Big Sly Pond and then over the hill towards Arlington. The morning was such a one as we rarely can enjoy — perfectly clear and still with the rich sunlight bathing everything in a flood of splendor. Did not get home till 5 P.M.
Took during the day Prem. Vill. ½; Jam. Hy. ½; Spig. Med. ½; and Ars. ½.
Sun. Prem. Vill. 60 ½; Jamaica. Hyperic. drew a number

Alternately cloudy and clear. Thermometer 28° — 40° — 28°.
After breakfast called at Ferrar's and asked him to go skating but he was not at home. Therefore started off alone and found the skating pretty good in Fairbridge Rock which was the only place that sounded bear. Stayed until the moonlight got too aged then left.
In P.M. measured the birch lumber yesterday and took a ride with Katie up through Belmont and Waltham.

Clear and pretty — pretty cold. Thermometer 24° — 34° — 32°.
Rose as usual.
After breakfast went to work on the birds house Thursday and finished them all by 2 P. M. After church went into Boston and bought a pound of powder.
Called at Mr. R. and had a talk with him about bird cages. At 10 ordered a pair of leather leggings to be made.
In the evening both Mr Russells & R. Lane called and stayed till 10 P. M.

Thermometer about 43 — 60 — 50
A. M. Cloudy and rainy. P. M. Clear and pleasant.
In A. M. attended church as usual Mrs. Richards sitting with me.
In P. M. took a walk with C. Parker up around the pond and then nearly up to Belmont.
On the pond saw a flock of gulls.
Night most of the morning the
The frost is now almost entirely out of the ground and the pond is entirely open again.
Thermometer this day at eleven one hundred on the east side of the pond.

Clear and pleasant. Thermometer about 40° — 45° — 40°.
Rose as usual. After breakfast went to work on some of my old birds and concluded a number of them by 1 P.M. When I left the cage in to Boston.
Went to the Justices office, and then proceeded to Hughes on Washington St. to see about a bird cage.
Finally decided to let Fillmore, on Court St., have the job. Delivered it 4 P.M.
The Horticultural meeting tonight

Cloudy and rained hard all day. Thermometer about 49° — 50° — 42°.
Rose as usual. After breakfast went to work on some of my old birds and had measured quite a number of them when R. Deane called and I knocked off and went up to his house with him where I stayed till 2 P.M.
P.M. P.M. wrote a letter to L. E. Blekruche in which I enclosed two dollars, bringing ten eggs, and which I shall not send let to-morrow.
R. Deane did not go into town to-day on account of a damaged eye.

Clear but very windy.
Ther. about 34° — 50° —
40°.
Rose as usual. After
breakfast took the
Watertown car and
rode up as far as the
cars go. Then kept
on up to Maynards
get there at about 10
and finding him at
home, borrowed a hind
forty bird and got of
him in return a Gos
Hawk, a Nonpariel and
a Red Crest. Flycatcher.
Got home at 2 P. M.
After lunch took my
gun and went up
around the pond to the
pine swamp and took Par.
Al. one. Fired at a Gull
on the pond

Earthia Ames. to Wtown.

Clear and lovely.
Ther. about 43° — 55° —
45°.
Rose as usual. After
breakfast took my gun
and Dart and went
up to the pond. Lay in
wait in an ice car and
got a good shot at a Gull
but failed to bring him al-
though I hit him hard.
Then left the pond and
kept on up into Belmont
Fired twice at Meadow
Larks and took two of
them. Ultrecht. The meadows
are entirely free of frost, the
meadow larks are playing on
the knoll and the grass
is inequivocally getting
green. In evening went
up to the R. Beard.

Glinnella Magna, saw
a flock of finches.

Clear and a most lovely day. Thr. about 36° — 45° / — 3°.

Rose as usual. After breakfast started off with Fred. and went up around the pond into Belmont. Thence through Waverley unto Waltham, and back by Crown hill and down Prospect through Waverley. Took during the day Par. Al. thru Gun. Hedg. thru; Reg. Sulph. thru; Ber. ofm. one; Colap. Au. one; Cyan. Cris. one. Got quite tired by the time I reached home at 5.30 P.M.

Saw Cyanch. saw several. Ctenopichralus. Took a Cyanura Cris. saw abt. twelve. Red. Melodia, Sparrow made songs; Bluebirds

Cloudy and snowed in a desultory manner all day about four inches falling. Thr. about 32° — 34° — 34°.

Rose as usual. After breakfast went to work on the birds taken yesterday and got them all mounted and labeled by 12 M. They went down to the house and got some arsenic.

Finished the last of my fifteen bird in time for dinner

Clear and very dazzling with the melting yellow snow. Thm. about 32° — 38° — 28°. Rose as usual. Attended church in A. M. P.M. R. Dean and E. Dodge called and with Charlie we took a walk up to the pond (getting quite dusty). I spent the evening in the house. Fresh pond is skimmed over.

Carrie Ann, the three Jun. Hayenal, Kind I numbers.

Cloudy and soft all day about three inches of damp snow falling. Thm. about 25° — 30° — 30°. Rose as usual. After breakfast received a letter from Richtecker relative to an exchange. Took the 9.35 Hartford car and walked the rest of the way to Newton. Found C. F. M. at home and got of him ten Shirts Paradise Army exchange. In P.M. packed my eggs and wood stove. Alice F. Atkinson. Put a letter to Richtecker accepting his offer. In evening went up to H. Jennes.

Chas. Kistler, Kind several Jun. Hayenal. Saw several

Morning broke clear and snowing fast. Cleared up at 10 A.M. rest of day pleasant. Mer. about 32°–38°–16°. Chore as usual. After breakfast walked into Boston with Alice and Mildred. Eggs to Do. E. Richardson. Coming out stopped at the Hemenways and got three eggs.

Afternoon had Old Prince harnessed and took a sleigh ride over through Brighton and Brookline. The sleighing was pretty good through out. In the evening Richard and I went down to B. P. Mannion's and got 6 Box. Shells, 6 Bird Mag. Acc. Museum, 2 Pr. Mer. in our exchange.

Morning broke clear. Clouded up at sunrise and remained so the rest of the day. Mer. about 8°–25°–25°.

Chore as usual. After breakfast went down to the Museum and tried to get a complete eggs of P. cyclitella Passerculus Savanna but he did not have them to spare.

Got home in time for lunch.

Spent the afternoon in measuring up some of my old birds.

In the evening went into the Nat. Hist. Soc. meeting. The sleighing is very good to sleigh to-morrow night.

Cloudy and cold. Thermometer about 5° — 20° — 15°.

Rose as usual. After breakfast went to work on measuring up my old skins & I spent the day on it finishing most of them. Did not go out of the house the whole day as I had a very bad cold and sore throat.

Clear and cold. Thermometer about 8° — 20° — 20°. Rose as usual. After breakfast went into Boston and went first to Brewster's to see if he wanted any Butterflies. He agreed to take fourteen and trade in exchange four eggs of Mg. Cinnidets.

Went to see the Cardiff giant, gazing on it P.M. Recommendation tired.

Called last of all at Ellis. Dav. Came out at 1 Pt. At 2 P.M. had Katie harnessed and took mother to ride through Belmont & Waverly. Found the sleighing very good.

Cloudy and snowed a good deal during the day although very little fell. Thermo. about 13° — 24° — 24°. Rose as usual. After breakfast I went to work on long Cutlerpiece and set fourteen of them besides some moths. The butterflies I am to take into Brewster's in exchange for the eggs taken yesterday.

I spent most of the afternoon in putting up my bird rack and extending upwards as the middle of November. The weather is very fine and continued mild & smooth.

Cloudy and rather warm. Thermo. about 24° — 28° — 28°. Rose as usual. Attended church in A. F.

In P. M. had the mare harnessed and took a ride with R. Deane over through Brookline and Brighton.

Wrote almost all the evening.

Received a letter from L. E. Richardson saying that he had received my eggs.

Collyrio Borealis, Sav one.

Clear and cold. Ther. about 12° – 28° – 27°.

Rose as usual, but upon stepping out of bed was attacked with a sudden dizziness and nausea. By 10 A.M. I was very feverish and anticipating a severe illness move into mothers room with some difficulty. Put my feet into hot water and mother bathed my head with Camphor.

Dr. Wyman called in the afternoon and said that it was only sore throat. Suffered a good deal through the day.

Morning broke cloudy. Began to snow at 10 A.M. and snow very hard the rest of the day about eight or ten inches falling. Ther. about 24° – 32° – 30°. Rose as usual after passing a tolerable night.

The doctor called soon after breakfast. He made me gargle my throat with cold tea and chloride of potash. He also ordered me a dose of rhubarb.

By the afternoon the wind blew a tremendous gale and continued to blow hard into the night.

On the whole had a hard day although did not suffer so much as yesterday.

Morning broke cloudy. Snowed a little but cleared up by noon. P.M. clear and pleasant.
Ther. about 23° – 32° – 25°. Rose as usual. Had a very fair night's rest, sleeping all but two or three hours.
The doctor called after breakfast as usual and told me to continue my gargling, wet flannel around my neck &c.
The sleighing will be very good after this thaw is trodden.
Received a letter from G. N. Browne and his Birds of New York.

Clear most of the day. Occasionally clouded up for a few minutes.
Ther. about 21° – 30° – 25°.
Rose as usual after passing a very comfortable night.
Spent most of the day reading and being read to.
My sore throat began to have me at noon and by night I was decidedly better.
In the evening had Charlie and John come in to see me.
Charlie brought a horse which he is engraving.
The sleighing is now most perfect.
Letter added in P.M.

Eliza and Charlotte cloudy and char. Ther. about 16° — 26° — 28°.

Rose as usual. After breakfast came down stairs for the first time, feeling very weak. Eat lunch in the setting room and stayed till about 2 P.M. when I went up again.

Read most of the P. V.

Got a letter from Dan to day.

In the evening R. Keane called and I saw him for about half-an-hour in my room.

My sore throat has entirely left me and I am quite comfortable.

Eliza and Charlotte cloudy day, very warm. Ther. about 38° — 34° — 34°.

Rose as usual. Came down to breakfast for the first time.

Spent most of the afternoon down stairs reading and meditating.

Spent the afternoon reading &c. and wrote a note to G. N. Lawrence of N. H. thanking him for his pamphlet.

Took dinner down stairs and spent the evening with the boys in the dining room. The thaw has turned the sleighing into slush. The widow called for the last time

Clear and a most lovely wintry day. Thm. about 22° & 38°.

Rose as usual and shaved. Came down to breakfast feeling quite myself again. After the folks had gone to church, went to work on my diary which was behind a whole week and wrote it all up in a short time.

Cloudy moderating all day but did not storm. Thm. about 11° — 25° — 32°.

Rose as usual. Spent the day in the house reading most of the time. Intended to have gone out had the weather permitted.

Cloudy and damp but did not rain much. Thr. about 42° — 46° — 40°.

Rose as usual.

Pr A. M. went down to the house the first time that I have been out since my sickness.

Played whist about an hour.

Read most of the P. M. and mended some skins.

Snowed about an inch this evening.

Clear and a beautiful day. Thr. about 38° — 32°.

Rose as usual.

After breakfast took the car down to the Square and called at J. Atkinson's but as I did not find him at home I went into Boston carrying in fourteen butterflies to Brewster in exchange for the four eggs of Physionchus Orientalis which I got from him last week. Bought a scrap book & c. and went to E. G. Peterson's and seen my card case which is at last finished. Got out at 1.30 P. M.

Worked on my insects the rest of the day.

Clear and pleasant. Thr. about -12° — 40° — 30°.

Rose as usual. After breakfast went to work on my bird record and fin ished up the year. After lunch went down to the house and received my bird-case which Mr. Peterson brought out.

We spent the whole of the afternoon in putting it up. In the evening R. Deane called. Nothing has been heard from Rickstecker, who should have sent one egg some time ago

Cloudy and rained hard all day. Thr. about 38° — 45° — 44°. Rose as usual. After breakfast ~~took~~ the car down to the Square and walked down to Frank Atkinson, and spent the afternoon with him. Came home in time for lunch. Spent the P.M. in setting some of my mountain specimens. Got an insect box of F. Atkinson and some large mounted birds at Grainsey's for insects. The snow is now rapidly disappearing.

A. M. cloudy.
P. M. clear but
windy. Thr. about
50° — 38° — 28°.
Rose as usual
After breakfast went
down to the town.
At 12 M. rode up
to Mt. Auburn in
the horse cars and then
took the train to Bemis
station and found
Mr. Maynard at
home. Spent two
or three hours at his
house, and copied
in all several pages
of measurements.
Took the 3.40
train down.
Our box of eggs from
Pickstock & Co was brought
up by Lyon to night.
Several of my were badly
cracked.

Clear and a most
lovely day. Thr. about
24° — 50° — 35°.
Rose as usual.
Attended church in
A. M. with Charlie
and John at Dr.
Hoffins sitting
in Charlie's pew.
In the P. M. Charlie
and I took a walk
up around Mt. Auburn,
coming back
by Fresh pond.
The pond has about
seven inches of ice
much of which snow
is now on.
The ground is
now bare and seems
to be quite dry and free
from frost.
Purdens Migratorius.
Saw one in Mr. Nichols's
yard yesterday

A Morning broke snowy fast but it soon cleared. By 10 A.M. the wind began to rise and by noon the sky was clear. Thm. about 35° - 30° - 20°.

Rose as usual. At about 10 A.M. went down to the museum to see J. A. Allen and got my hawk back: it has at last been identified beyond a doubt as Buteo Lineatus, bird of the year. My specimen was slightly damaged, the tail burst another.

Spent the P.M. in the house. The ice on Fresh pond is about five inches thick

Ice six inches thick. Clear cold and windy. Thm. about -8° - 20° - 16°.

Rose as usual. Charlie went into Boston at 8 A.M. and got out at 10. We then went down to the house and getting Edwards rifle over with a paper of bullets, came back again and fired some twenty or more shots. Then put in some bullets which had been fired one and four barrels went off at once. At 2 P.M. went shooting upward of M. Auburn and back by the pond. Charlie shot a red squirrel which got into a brush pile. Saw nothing else except a large gull. Got home by 4 P.M. Commenced to cut on Fresh

Clear and pleasant
Thermometer about 15° —
32° — 28°.
Rose as usual.
Spent the morning
of the A. M. in the
house, setting insects,
and worked until
my pins gave out.
Took the 2.20 car
into Boston.
Went first up to School
St. and then down to
Lock Sq. where I bought
a pound of bullets for
Leonards revolver.
Thence to Hanover St.
and bought Smith, report
for 1861. Coming out got
off at Broadway and
ordered some impel tops
at Pages. Got home in
time for dinner. Ground
pretty clear of ice.
Lorenzo & Agentilus, saw him.

Clear but very windy
Thermometer about 23°
32° — 28°.
Rose as usual.
After breakfast
walked down to
Frank C. Atkinson's but
found him out. On
the way down called
to see Benj. C. Mann but
found him also not
at home. At 2 P. M.
went down again to
miss him by only a
few minutes.
At 3 P. M. had the
mare put into the
carriage and took
a ride off through
Waverly and back
by "the pond" where
they were cutting ice.
Spent the evening
in the house as usual.

Clear and the coldest day since December. Thermr. about 7° — 16° — 12°.

Rose as usual. After breakfast went into Boston with father and went up to Comer's Com. Coll but Mr. Comer was not there. Went up again at 12 o'clock but as he had not even then arrived, I saw his head teacher and talked with him about his terms for penmanship.

Came out at 1 P.M. and spent the rest of the afternoon in sorting.

Received letter in evening.

Clear and cold. Ther. about 15° — 28° — 25°.

Rose as usual. After breakfast took the car into Boston with father.

Went up to Comer's Com. College and took my first lesson of two hours.

Got out of Boston at about 2 P.M. and after eating lunch walked down to B. F. Mann's with the Messrs Gould but he was not at home.

Cloudy and chilly. Ther. about 25° ~~26°~~ 28°

Rose as usual. Attended church in A. M.

In P. M. went up to R. Deane's and spent the A. M. with him. Spent the evening in the house as usual, and wrote a number of letters.

Cloudy and snowed all day and got four inches falling. Ther. about 32° ~~to~~ 35° ~~35°~~.

Rose as usual. After breakfast took the car into Boston and took my two hours at Bowner's getting out and about 2 P. M.

In the P. M. J. Atkinson called and I went over to Mr. Austin's house with him but he was not at home.

In the evening went down ~~to~~ see Mrs Mann and got of him four eggs of Luis Mayo.

Cloudy and very chilly. Ther. about 30° & 34° — 30°.
Rose as usual.
After breakfast recovered Wiebseck's letter received yesterday. Took the N. Albany into Boston. Carried in four shells to Brewster and got in return their eggs. of Hydro. Thimbra.
Took my two hours at Conkers.
Got out at about P.M. and spent the most of the P.M. in getting underfires.
For the evening Thu. read Porchelet.

Clear but very windy. Ther. about 31° 35° 25°.
Rose at 6 o'clk. and took breakfast with the boys. Started off at about 7.30 and went first up around Fresh Pond, near by up to Belmont Farm a flock of Meadow larks. Then over back of Mt. Auburn and home by the river. Spent most of the P.M. in firing pot at a mark with Kennards revolver.
Amphelis Cedrorum, Blue birds a flock. Sturnella Mag. Scan. five. Colaptes Auratus. Scan. five. Melospiza Mel. Scan one.

Clear and a beautiful day. Ther about 26° 35° 30
Rose as usual. After breakfast went into Boston with father. Took on fifty bottles to Bunster and got in exchange six eggs of Hydrocelidon Plumbea. Took my two hours at Comers and got out at 2 P.M. Spent most of the P.M. in writing up my diary.
The snow still continues about the same depth, three or four inches.

Cloudy but did not storm. Ther. about 14°. 32° 30°.
Rose as usual. Went into Boston after breakfast to take my writing lesson. Met B. Dean on Washington St.
Got out at 1 P.M.
After lunch took my gun and start and went up around Mt. Auburn but did not get a shot at anything except a Ruffed grouse.
Got home by 4 P.M.
In the evening got ready to go up to E. Dodge's when B. Dean called and we spent the evening Entertaining Novelties, Hodson.

Cloudy and cold, Ther. about 17° — 29° — 26°.

Rose as usual. After breakfast took the car down to the Port and went to the box factory after my insect boxes but they were not finished. Called at the house on the way up and got the two cases of Chinese insects. Spent the rest of the day in rearranging them, taking out some and substituting American in their places.

Miss Lizzie Farley took dinner with us. There is no sleighing, although in the town there is the same depth

Clear and a beautiful day. Ther. about 14° — 38° — 30°.

Rose as usual. Attended church A.M.

Prof. P.M. went up to see Mr. Davenport, found him at home and spent a pleasant afternoon with him. Carried up three or four of my mountain butterflies and got some of him in exchange. He also gave me a Mottled Owl's egg.

Went down to see Lyon but as he was not at home called at the Russells

Cloudy and snowed quite fast all day about four inches falling. Ther. about 20° — 32° — 30°. Rose as usual. After breakfast wrote a letter to Richsicker, Henry Hunstran and J. Krider. After lunch went down to see Fryon's collection of eggs. Took the 4 o'clk. car into Boston and went up to Comer's but found that they are not open in the afternoon so I had to turn around and come out again.

Clear and a lovely day although rather windy. Ther. about 18° — 35° — 28°. Rose as usual After breakfast went into Boston and took my two hours lesson as usual. Went up to the Common and watched the English Sparrows awhile and then came out getting home at about 2 P.M. I spent the afternoon in the house working on my insects. The sleighing this morning was very good.

Clear but rather windy. Ther. about 19°. 40°. 26°.
Rose as usual. After breakfast took the car into Boston. Took my two hours at Conlers and gave an order for an egg cabinet to Patterson on Cornhill. Came out on the Broadway car and got my inseed tapes. After getting home took Bonaparte's revolver and fired three rounds with it, making pretty fair shots.
In the evening called up to see Ed. Dodge and played several games in. f. fin.

A. M. clear. P. M. cloudy. Ther. about 20° 35° — 30°.
Rose as usual. After breakfast took my gun and Dart and went up around Mt. Auburn and over into Belmont. Had a long chase after a Snipe in the Snipe meadow but finally got him. Got home by 1.30 P. M. Took during the day. Certhia Am. 5, Parus atri. 9, Spiz. Mont. two males. After lunch went to work on my birds and finished them by 5 P. M.
Mel. Melb. Heard one. Stur. Magna, Sayorni Rallus Virginia. Shot at Spiz. Mont. Rather scare

FRIDAY, MARCH 11, 1870.

Cloudy and cold.
Ther. about 13° —
25° — 25°.
Rose as usual.
After breakfast
took the car into
Boston and took
my writing lesson
as usual.
Called twice at
Patterson but,
he was not in.
Came out at
about 12 M.
Spent the afternoon in work-
ing on my in-
sects.
The roads are bare
and frozen, but
the fields are cov-
ered with snow.

SATURDAY, MARCH 12, 1870.

Cloudy and very
chilly. Spit snow
most of the day.
Ther. about 19° —
28° — 25°.
Rose as usual.
After breakfast went
into Boston and
took my writing
lesson. I have now
got into capitals.
After getting through
went down to Redd's
store with Charlie
and looked over
guns. Then went
up to Patterson's
and had a talk
with him about
my egg cabinet,
got out at 5 P.M.
Spent the evening
at home. R Deehr
~~Ca~~ called

Cloudy and the hardest snow storm of the season. Ther about 20° — 28° — 25°.

Morning broke snowing fast and snowed hard all day, over a foot falling and drifting badly at that.

Spent the whole day in the house with Charlie, reading most of the time. He wrote a letter to Rich ordering several eggs for me, two Hooded Mergansers, two Rusty Blackbirds and a R. bellied Woodpeckers.

Clear and a beautiful day. Ther. about 22° — 48° 40°.

Rose as usual.

Spent the forenoon in the house, writing letters most of the time.

Fred P. M. had the mare harnessed and took a sleigh ride up to Belmont and back.

The sleighing was very hard, all branches of the roads were nearly broken.

Clear and warm
Thermometer about 13° -
50° 40°

Rose as usual
Went into Boston
in A. M. and
took my writing
lesson.

Called at the
Express office and
got a box of eggs
from Rickseker,
all of which came
safely.

Got out at 2 P M.
After lunch went
down to the museum
to see Allen but
could not find
him.

Spent the evening
in the house as
usual. The sleighing
is pretty much gone

Cloudy and chilly.
Thermometer about 24° - 36° -
30° In the afternoon
it blew a perfect gale
with snow or rain.

Spent the whole
day in the house
writing a letter to
David and Rickseker
in the morning
and sitting bottes-
flies in the afternoon

Mother spent the
day at the house
and late in the
afternoon I went
down with an
umbrella and brought
her home in the
gard.

A. M. cloudy. Noon clear. P. M. cloudy Began to snow at about 6 P. M. and snowed all night. After breakfast took the car into Boston. Called at Mr. Davenports and left him the egg of the Boat tailed Grackle and the Yellow head. Troupial After taking my writing lesson came out. The streets were crowded with Irish following the processions.

Spent the P. M. at the house working on bird stands.

Sleighing, rather poor.

Cloudy and snowed at intervals during the whole day. About six inches fell last night so that it made the sleighing quite good. Thr. about 28°. 30° — 28°.

Rose as usual. Sid A. M. went into Boston.

(Took my writing lesson) bought a pair of rubber boots, looked at guns at Tonks' Schafers and Lovell's and got out by 2 P. M.

In the afternoon took a sleigh ride up through Belmont. Sleighing very good.

Clear and a pleasant day.
Ther. about 22° 40° — 34°.

Rose, at 6 A. M. and getting Katie harnessed took a sleigh ride up through Belmont and around Mt. Auburn on my way home. Saw a Redpole Finch.

Went into Boston in A. M. and after taking my writing lesson, looked at Schaefer's gun with Charlie.

In P. M. took a sleigh ride with the General, up around Mt Auburn.

~~Carrod Perpurens~~ this a mate.

Clear and warm. Ther. about 32° — 50° 32°. Rose as usual.

Attended church in A. M. Mr. Nichols sitting in our pew. D. S. Robbins preached.

In P. M. R. Dean called and stayed two or three hours. Spent the evening in the house.

The warm weather has about used up the sleighing, but the snow still lies in the fields to the depth of a foot or more.

Cloudy and foggy but did not rain. Ther. about 38°—40°—35°.

Rose as usual. I spent the morning in the house writing a letter to H. O. Henshaw and John Krider.

About noon a large flock of Ampelis Cedrorum came into the yard and I killed fourteen of them at a shot.

I sent most of the P. M. in press weeing them.

I had put up the woodchucks in our house to day.

Ampelis Cedrorum, I saw upwards of two hundred.

Clear and a warm spring like day. Ther. about 34°—50°—36°.

Rose as usual. Jno A. M. went into Boston and took my writing lesson as usual.

Got out at about 12 M. and spent the P. M. on my birds doing them all.

After dinner went up to the reservoir with Charlie and tried his new gun which he bought yesterday. Turdus Migratorius, saw twenty two flying North. Fringilla Hyemalis, saw one

Clear but rather windy and cold. Thermo. about 32°–40° – 35°.

I Rose at 6 A.M. and after eating breakfast with the boys, started skating without Dat. Took two skins of Mel. Melod. and made Ag. Thoc. Broke through the ice in the swamps and spent an hour or so in a switch trying dry my socks and stocking. Got home at 11 A.M. Stuffed in P.M. Ag. Thoc. saw numbers. Prof. Ferrugin. saw numbers Evans & Cudson. saw a pair.

Clear & warm.

~~A.M. cloudy.~~
~~Cleared up at Noon~~
~~P.M. cloudy. Began to snow at about 6 P.M. and snowed all night.~~

I Rode as usual. After breakfast took the cars into Boston and took my writing lesson ~~Walked at Afr~~ ~~Davenport's and gave him the egg of a Boat tailed Grackle and a Yellow-head Troupial~~ Got out at 12 M. Spent the P.M. at the house and took a short drive with Katie up around Mt. Auburn

Julia Sialis, saw a pair.

FRIDAY, MARCH 25, 1870.

Clear and windy.
Ther. about 18°.
45° 38°.
Rose as usual.
Fred A. M. went into
Boston and took
my writing lesson.
Got out at 2 P. M.
Got a box of eggs
from poor Bridie.
After getting lunch
both boys went up around
Mt. Auburn.
Took J. Migrat two,
Mel. Melvin, Celia
Charles 5.
Got home by 5 P. M.
Spent the evening
in the house.

SATURDAY, MARCH 26, 1870.

Clear and warm.
Ther. about 19° — 50°
35°.
Rose as usual.
After breakfast took
the cars to Waltham
and walked the rest
of the way.
Found Mr. Maynard at home and
spent the most of
the forenoon with
him.
Got back at 2 P.
M. and spent the
rest of the day on
the birds taken
yesterday.
In the evening
the Wilcutts called.
The grass is
beginning to get green
in places.

Cloudy. Ther. about 38° — 40° — 40°.
Snowed most of the afternoon, melting as it fell.
Attended church in A. M.
In P. M. Mr. Davenport called and stayed several hours.
Late in P. M. went up to H. Deane's with Charlie.
Carried up a bag of Mengus Sweater which I exchanged for one of Lightedge's Circulators.
Spent the evening in this house with the boys.

Cloudy and rained most of the day.
Ther. about 40° 50° 40°.
Rose as usual.
After breakfast with Leonard carried down my cabinet drawers.
Spent most of the day at the new house, fixing things up.
Spent the evening about the house.

Cloudy and sprinkled a number of times but did not actually rain.

Ther. about 38° - 45° — 40°.

Rose as usual.

After breakfast went over to the house, and spent most of the day in painting my boat.

The ground is now bare in large patches and the snow disappearing rapidly.

The roads are now in a most wretched condition as the frost is coming out.

Cloudy but did not rain.

Ther. about 39° 48° — 44°.

Rose as usual.

After breakfast had Katie harnessed and took a ride up around Mt. Auburn and up to Belmont.

Fred P. M. took my gun and went over to Simon's hill and fired my gun a number of times. Also shot a Shrike.

The ground is now almost entirely bare.

We intended to have moved to day but Mr. Danforth did not come.

Clear and a most
springlike day.
Thr. about 40°—
60° 40°.
Moved into our house
to day.
Mr. Danforth came
this morning and
took down all our
things from Mrs.
Nichols
I spent the day
arranging things
at our new house.
Took dinner for
the first time at
Mrs Nichols and
came down at
about 5 P. M.
Carpodacus Purpureus
Heard several males
singing

Clear and a lovely
day. Thr. about 42°—
60° 40°.
Rose as usual.
After breakfast took
the cars for Boston.
Went first to Pattison's
to see about my
cabinet which I found
was not done.
Then went up to
the State House and
saw Mr. Purdie who
gave me a copy of
the Game Laws as
it now stands, and
lent me a catalogue
of the birds of N. E.
Got out by 12 M. and
while eating lunch
Mr. Deane called.
Tur. Migra. Singing
splendidly this morning

Clear and pleasant. Ther. about 45° — 55° — 48°. Have had a chilly East wind for the last three days.

Rode as usual. After breakfast took my gun and Dart and went shooting up by the pond into Belmont. Took during the day Etta Caffelin in gain. Mel. Mel. two B. Bic. Tubes. I got back by 1.30 P. M. Spent most of the afternoon on berry fields, and W. Dean called. Only a very little snow in some sheltered places now remains, and the frost is nearly all out. The Robins now sing morning and evening.

Cloudy and blow a perfect gale all day with rain sleet or snow. Ther. about 40° 37° — 35°.

Attended church in A. M. as usual, and got quite wet coming home.

Soon after dinner John and Charlie called and stayed an hour or two.

Then Charlie and I went up to W. Deans but did not find him at home.

Spent the evening in the house writing and reading.

The roads are now quite as dry and hard in most places as they are in summer.

Rained in torrents all day, the wind blowing with a violence that almost threatened a repetition of the gale of Sept. last. At daybreak the ground was covered with snow that had fallen during the night, but this the rain soon carried off.

Rose as usual.

Spent the day in the house putting up window shades and overhauling things generally.

Got out all my book and placed them in my book case.

Beside a Canadian, several large flocks seen.

A. M. cloudy. Noon clear. P. M. cloudy. Evening rainy.

Rose as usual.

After breakfast went to work overhauling things.

After lunch took the air rifle up back of the shed and fired a dozen shot or more at a mark.

Spent the afternoon in putting up bird boxes and sparrows nearly a dozen.

In the evening R Deane called and stayed till 10.

Quiscalus Versicolor around in large flocks.

Cloudy and rained hard all day.

Toward evening the wind shifted into the West.

Rose as usual.

After breakfast fired into a flock of Crow Blackbirds in the yard, killing one and wounding another which I did not get.

Br. A. M. went into Boston to see about my cabinet which I am to have Saturday. Saw a fine male Florida Gallinule at Brewsters that was shot on Long Island this morning.

Came out at 12 M.

In the evening went up to the Nicholas and saw the boys

Rained and snowed till 7 A. M. Rest of day clear. Ther. about 38° & 60°. Set my clock for 4.30 but Charlie had to make his way up to my room at 5.30 and pull him up. Dressed immediately and started off. Beat the Belmont meadows but found no Snipe.

Charlie to a female Philohela Minor that would have laid in another day or two. I took a bird Strike and Prof. Ferriguinus. Met Mr. Davenport and came back with him. At 1.30 P. M. had Katie harnessed and drove up through Belmont. Fired three times at a Coot but lost him. 1 M. both Teal and fired. Bared Coronata, Pan. Philohela Minor, Pan. two

Clear and a most Spring like day.

Thermo. about 50° - 60° -- 50°.

Rose as usual.

Saw A. M. skinned the birds taken yesterday.

After breakfast walked down to the burning mill and gave orders for more bird stands.

Also bought a quart of plaster paris.

Saw P. M. drive both the horses.

The grass is quite green everywhere and the maple trees in blossom.

Saw the first Antiopa butterfly and heard the Crickets.

Hirundo Bicolor, seen in pair in our garden.

Clear and pleasant. Ther. about. 50° 64°-50°.

Rose at 5 A. M.

Shot a gray cat that Leonard cleared out of the barn for me.

Went hence around the pond, taking Dart.

Took during the morning Ch. Tristis four! Colus. Aurulus 2 St. Ferruginous a pair, M. Melodia 2. Got back at 11 A. M. & spent most of P. M. on my birds. At 4 drove the General taking P. Dom. Got back at 5.30; went up to the swamp & took a Wren & a Muskrat. Saw Tarsiana, 2 dermal; Pass. Sharpsii, Say. Fuscus, 3; Gall. Wilsonii, two; Nyctiard. Gardenii and one.

Clear and a fine day
Ther. about 50°–60°–46°
Attended church in
A. M. as usual.
In P. M. took a
ride with father, first
down to Mr. Riley's
in East Cambridge
and thence up to
Deacon Coolidge's in
Waltham.
R. Dean called
in the evening.
The grass is very
green, dandelions
growing and the frost
out everywhere. No
snow is left.
The balloons are
around our boxes
regularly every morning.

Cloudy. Began to rain
at 2 30 P. M. and rained
hard the rest of the day.
Ther. about 40°–45°–
40°.
Rose as usual.
After breakfast went
into Boston with father.
Called to see Mr. Sur-
die and spent nearly
an hour with him.
Then ordered some
trays at the Boston box
factory.
Took my lesson
at Comer's and got
out by 1 P. M.
In P. M. wrote a
letter to Dan.
In the evening
went up to see R. Dean
and spent the evening

Cloudy. Rained most of A. M.
Cleared off just at sunset. P. M.
Ther. about 50° — 55° 50°.
Rose as usual.
Spent most of A. M. in the house and wrote several letters.
Son P. M. drove the General up around the pond,
In the evening took a walk up to the pond and heard the first Swamp Sparrow.
After getting home walked up the street with John, Charles & the Russells.

Clear but windy and cool. Ther. about 50° — 60° 54°.
Rose as usual.
After breakfast took my lunch basket and gun and started for the Swamp meadows.
Put up seven birds at the first rise but missed. Followed them up and fired three more shots killing one bird.
Then flushed four fresh birds & got three two of them at a double shot.
Got home at 10 P. M.
At 4 P. M. Farran called and we went up to the pond and took out a wherry.
Gallinago Wilsonii, saw about ½ a dozen & took four.

Clear and extremely warm for the season.
Ther. about 60° 77°–60°.
Rose as usual.
After breakfast went into Boston.
Carried in my brush hooter and hatt the socks oiled.
My Took a writing lesson at Comer's and got out at 12.
Went to the box factory to get my trays but they had been made wrong and I refused to take them.
Saw F. M. shoot the Snipe taken yesterday. [Thursday evening W. B. called here with his horse & buggy & we rode up through Belmont & Waverley. We heard four Varies & frogs at once. On our way home we stopped from minutes to look for snipe, which at this season hum over the meadows; but there were none. The sky, etc. [illegible]]

Clear and windy.
Ther. about 54°–48°—40°.
Clouded up in P. M. and got very cold.
Son A. M. rode down to the Square and got half of my birds stands: the rest are to be finished Monday.
My Son kept on down to Holmes's and got ten yeast boxes: occupied the rest of the day in making them into bird houses and putting them up.
Our stair yarfusts, that of mine and the West chamber were put down to day.

Clear in A. M. P. M. cloudy and cold.

Rode as usual.

After breakfast had the mare harnessed and rather drove me up into Waltham. Walked from there home getting in at 6 P. M.

Took Orly & Virginianus a pair; Phil. Minor; Colaptes Auratus ♂; Turdus Pallasii; Passerculus Savanna; Melosp. Palustris; Searched in vain for a Woodcock's nest.

Was not at all tired by my tramp as the weather was cool and invigorating.

T. Pallasii (song several), Regulus Calendula heard ♂.

Cloudy and rained nearly all day.

Ther. about 40° — 40°.

Rode as usual.

Attended church in A. M.

Spent most of the afternoon at W. Deane's.

The grass is now green everywhere and in the swamps has grown several inches.

Saw a Robin building this morning and a Song Sparrow was also seen by W. Deane commencing its nest.

Cloudy and stormy most
of the day.
Thermometer about 40° 14°-
40°.

Spent most of the
A. M. in stuffing
the birds taken Saturday
P. & P. M. went into
Boston to get my trays
but they were not
done.

Was invited to a
party at the Bryants
evening & would
not go.

Cloudy and rained
several times during
the day.
Poor as usual.
Spent the whole day
working on my bird
stands and finished
about seven.

Spizella Socialis,
heard several males
singing.

Cloudy and cold.
Rained several time during the day.
Rose as usual.
Spent the morning till 12 on my bird stands.
After lunch went up to Mr. Maynard with the General.
Found him in and spent several hours with him.
Bought five eggs of Catopistes Migratoria six skins of Curvirostra Am. & Leucoptera & Sh. Shrike, Hawk & Scaup & Redpol all for $1.00,
Got home at 5.30 P. M.

On this [redacted] I
Bought some 12 eggs of the Wild Pigeon in Boston market of a [illegible] who I recently threw out of the door [illegible] Tide G. Br. Gardner joined

Cloudy and sprinkled several times.
Ther. about 42° — 48° — 45°.
Rose as usual.
After breakfast took the car into Boston and met Mr. Maynard. Spent the A. M. with him and he came out with me.
At 2 P. M. started off with C. Carter.
Charles carried us up to Belmont & we beat the meadows down. Shot three & he one Snipe. I also took a Night Heron and a Swallow, Nyctiar. Gardini saw numbers, Cayli Aleyonis saw one. Accip. Fuscus saw one. Band. Carolin. saw one.

Saw the Night Herons 15 or 20 in the Pine Swamp

About 12 eggs Wild Pigeon bought in Bos. Market

Clear and pleasant. Rose at 5 A.M. and was at the point at 6.30 to meet Mr. Maynard but he was not there having missed the train. Walked around the pond and came home having taken T. Pallas i. Two; Sphy. Varius, 2 and D. Palmarum 8.

Got home by 11 A.M. Spent most of the P.M. on my birds and did about half of them.

Papilio Satrapa, very abdnt
Sayornis Fuscus, building
Ardea Herodias, seen
Corvus Amer. nest two eggs
Sol. Ferruginea, still abdnt.
Hirund. Hor. seen one
Sphy. Varius, saw two

Clear and a fine day. Ther. about 60° 70° — 60°.

Rose as usual.

Sr. A M went into Boston and bought a number of articles — Magic ink, copy book &c. Also got six eggs of Cecropia Migratoria which Charlie brought out for me in the evening.

Got out at 2 P.M. Spent the rest of P.M. on the birds left over from yesterday.

Late in the afternoon took a ride with Mr. Deane.

H. C. Henshaw got home this evening

Scops Asio, nest for 3 eggs
Clear and pleasant.
Thm. about 60° —
70°. 50°.

Rose as usual and attended church in A. M.

In P. M. went up to Mr. Davenports, and went out on the farm with him.

Found a nest of Scops Asio with four eggs. Left the female (a red owl) to hatch of another litter.

Rode up to Mr. Maynard's and spent several hours with him. Upon getting back to my surprise, found Mr. Henshaw at the house and he stayed till 10.30

He arrived last night

A. M. cloudy and rainy. Cleared up in P. M.

Spent the morning working on my bird stands.

After lunch went down to see H. C. Henshaw and spent the afternoon looking over his skins.

Came up on the car with W. Deane and brought up a Protonotaria Citrea.

After dinner took a ride and saw four Snipe flying over the Glacialis.

Porzana Carolina
Zona. Albicollis, heard
a male.

Clear and pleasant.
Ther. about ~~50°~~ 50° — 65° — 60°.

Rose at 4.30 A.M. and started off.

Went up through Westtown and met Mr. Davenport on the yard.

Came down through the meadows and saw quantities of Snipe and fired several shots.

Took during the day about sixteen specimens and a nest of six eggs of Zonotrichia Americanus.

Was to have gone to Concord with Mr. Maynard but he could not go.

Micrutilla Varia, saw 5.
Strigilla Pusilla, saw 5.
Circus Solitarius, saw 5.

Clear and warm for the season.
Ther. about 60° — 72° — 65°.

Up as usual.

After breakfast went to work on the birds taken yesterday and finished them by 2 P.M. when Henry H. called.

We had the horse harnessed and took a ride up over Wellington Hill.

Henry took A. Pinus and M. Melodia and found a Partridge's with one egg.

Bonasa Umbellus, nest, one egg.

Clear and the warmest day so far. Thermt out 65° — 80° — 70°.

Had a thunder shower in the evening and the rain came down in torrents.

Rose as usual.

After breakfast went into Boston and took a writing lesson at Comer's.

Bought a pound of powder and several other articles; also called to see Surdie.

In the evening called at the Horsfords but failed to raise any body after ringing for several times.

Clear and pleasant. Thermt about 62° — 60° — 5 c°.

Rose as usual.

Spent the whole day till dinner, painting my bird stands.

After dinner drove the mare up through Waltham and back.

Spent most of the evening writing.

The grass is growing rapidly, the horse chestnuts are dense with foliage, the cherry & peach trees on the eve of blossoming out and everything most lovely and like spring-like

Clear and warm
Spent the morning
painting bird stands
In the P. M. Henry
called, then Mr.
Purdie and Ruth.
After looking over
my collection, we
all took a walk up
through the swamps
where Mr. P. heard
the first Swamp
Sparrow.
Got back by
7 P. M.

Hirundo Erythrogastra
Furnifrons, saw
several.

Clear but very windy
and dusty.
Attended church in
A. M. as usual.
Before dinner took
a walk up on the
reservoir with Fotin
and Charlie.
Saw a Sparrow Hawk
In P. M. went out
with Mr. Dow on
the farm and found
a M. Bluebird's nest
with four eggs.
The cherry & peach
trees are beginning
to blossom.

Siala Sialis, nest
four eggs.

Clear and warm with a South wind. Spent the forenoon in painting bird stands at which Mr. Henshaw assisted me.

After lunch we had the General harnessed, and took a drive.

Took Pipilo Ery. 3. Harp. Rufus 3. & Lon Albiatl. 3.

Got back at 6.30 P. M.

Sip. Erythrop. saw several.

Harp Rufus, saw a pair

Clear and warm. Ther. about 60° — 75°. 70°.

Spent most of the day painting stands.

Went P. M. with my gun and walked around the pond.

Took a pair of Meriotitta Varia.

Heard both the Rails in abundance and several of Den. Aestiva.

Evening J. H. Allen and John & Charlie called.

Chat. Polioscia. heard one. R. Aestiva, heard two. Rallus Virginia, several. Por. Carolina, heard several. Hay. Pusens, nest three eggs

Clear but warm.
Thermometer about 65°.
78°. 70°.
Spent the morning making bird stands.
Wrote most of the afternoon.
The cherry trees are all in full bloom.
Went this evening round into the meeting of the Nat. Hist. Soc.
After an spirited discussion the elected Mr. Hyatt custodian over Mr. Packard.

Clear and pleasant. Made and painted bird stands in A. M.
And P. M. went up to see Mr. Maynard and spent several hours with him.
Came home through West Newton.

Clear and warm. Ther. about 60° — 72°-50°.

I rose at 3.45 A.M. and went up to the swamps. Took Rallus Virginianus 3 and one ♀, R. Carolinus two ♀ and 3. Mel. Palustris, two 3 one ♀, and Actitarsius Bartramius 3.

Got back at 8 A.M. and found Henry here. He helped me point stands all the A.M. and then we went through the birds together. Then took a ride and visited our Partridges nest which had in it eggs.

Actitarsius Bartramius

Cloudy. Rained all the afternoon. In A.M. met Mr. Maynard at H. Winship's and spent several hours there.

Coming home called at the museum and saw Mr. Allen. In the P.M. my bird case was sent out, put up, and finished.

In the evening R. Deane called.

The pear, peach and cherry trees are in full bloom.

SUNDAY, MAY 8, 1870.

Cloudy and cold.
Thermometer at 40° 35° 50°.
Attended church in J. M. as usual.
Mr J. M. took a walk up to the pond with John & Charlie.

MONDAY, MAY 9, 1870.

Cloudy and cold.
Thermo. about 50°–60° 54°.
Spent the morning working among the birds.
After lunch went down to H. C. Henthorn and picked out many nice from his shipping home about twelve birds.

Cloudy and cold.
After breakfast took the Waterlopen into Boston, which Henry met in the Port.
After buying various articles I left Hook'm in and introduced me to Dr. J. W. Brewer
Got out at noon & spent the P. M. changing my birds to their proper stands.

Cloudy and cold
Spent the whole day in the house working on my collection.

Clear and a fine day.

Felt quite sick so did not do anything during the day.

In the P. M. J. H. Constran called to get me to go up to Mr. Maynards but I did not feel well enough.

Clear and a most lovely day.

Spent the forenoon in my collection.

In P. M. took a walk up around Mt. Auburn and found a few specimens just finished. The apple trees are in full bloom and the birds began singing to day with a vim.

Spiraea
Lactiflora, Rhododendron,
Origivorus, Pyrus Floribunda
Pyrus Gibbs. Gen. Grant
of Pe. Baltimore & Dan Webster.

Clear and a fine day.

I spent most of the day in the house changing my birds out to my stands.

In the evening Charlie came down and we took a ride together up around Fresh pond

Proctor Cotton

Clear and a beautiful day. The warmest of the season.

Attended church in A. M.

In P. M. went up to the Russells and spent the afternoon there.

Virus Novebor,
Parula Americana
Setophaga Ruticilla

Clear and pleasant. Spent most of the day on my birds & putting away heads into cases.

Sam & H. H. rode up to Mr. Maynard's and spent the afternoon with him.

Clear and pleasant. Spent the A. Hour in my bird.

Sam & H. H. rode down to the Fort and got Mr. Henshaw and went to our Ice Indigestion.

Got the eggs from it.

Shot also seven birds, D. Disolor, 3 ♂, D. Virens, a pair, O. Nov. ♂ and Vireo Novebor. ♂. Found a Chickadee nest with one egg.

Vireo Noveboracensis.

Sigma, Novebaboni, Lind. Sliziler, Myiopt. Sustillus Dend. Disolor, abdom.

WEDNESDAY, MAY 18, 1870.

Clear and pleasant.

T. Hiesiae, one.
H. Chrysiptera, three.

THURSDAY, MAY 19, 1870.

FRIDAY, MAY 20, 1870.

Hy. Hippocrepis, nestdom
Hel. Betulinus, nest 2 eggs

Corvus quiscula ♂.
Syrnium nebulosum ♂
Coccothraustes vespertinus, egg
Hy. Spiculus, three
Hy. Canadensis, one

SATURDAY, MAY 21, 1870.

Coccyzus Erythrophthalmus ♂
Zenaidura Carolinensis ♂
Cyanocitta cristata, three ♂
Dend. Striata, about

[illegible]

[illegible]

THURSDAY, MAY 26, 1870.

FRIDAY, MAY 27, 1870.

SATURDAY, MAY 28, 1870.

SUNDAY, MAY 29, 1870.

V. Flavifrons, nest in oak, four fresh eggs.

Philetor in Kalmia, one nest in alder, two eggs in blueberry bushes.

Dend. Pens. nest and eggs.

Gallinule, Carolina, nest three parts built.

Grat. Thrush, nest and third down.

Red Winged, nest commenced.

Took the 1.30 train for Hudson with Mr. Hardie. Spent the day there waiting for eggs.

Mrs. Vazie, nest five fresh.

Sav. Sparrow, nest nearly

Green. Eye, nest half built.

Grasp. Minimus, nest two fresh.

Gnaiuza Sodovic.
rest four teeth.
Jul. Mifalliras
rest two, laid aweek
rest three teeth.
S. Tusqeseens, rest
three teeth.
Geffth. Sickas rest
four teeth.
Cotfafu, Auraites rest
eight few days laid,
rest seven teeth.

Dend. Ptiata, saw
several but they have
... only, all gone.

Stock this October
[illegible] Porfiberest
[illegible] fresh.
Blend. Tem.: nest
one egg fresh.

Sures. Aro. nest
two egg fresh.

Jurdus Gallarii
rest three fresh eggs
at Concord Mass.
Vireo Olivaceus
rest four fresh eggs.
Zonotrichia Leucophrys
rest on Concord
river two fresh eggs.
Sterna Forsteri, rest
four eggs, five days
before. Young birds
hatched; young
hatch.

Cecile Alexis
night sweat first in
years after days
cold. ff

Trochilus Colubris
nest containing
young bird & rotten
egg.

Trochilus Colubris
nest two fresh eggs.
Found Sphinata hyperio
a male on Spartina
Pt.

Dand. Director:
two nests and two
nearly hatched young,
another with five
eggs well incubated.
Hay. Rufus, nests
with three each fresh.
Minus Carolinensis,
several nests fresh
eggs.
Sialia Sialis,
nest five fresh.
Spizella Pusilla,
nest five fresh,
Icey. Cryptorhynchus,
nest three young
each old.
Sturnus vulgaris,
the day we left.
Will. Got it to
the stairs coming
home.
Pr. Carolinus, nest
sixteen eggs, six fresh
nest well incubated,

Vireo Olivaceus
nest four fresh.

Sixth. Nuttella, two nests one four fri days out fifteen in the three nearly hatch Grey. Dry, two nests on the two large airlings, other two fresh.

Denot. Seven, nest four well advanced Little Eighth, nest two young fully fledged. Cutch. Yesterday nest four fresh.

Spent the day in Wittington with the Fresh Air.

FRIDAY, JUNE 17, 1870.

SATURDAY, JUNE 18, 1870.

Mel. Gardner's hen
laid one dozen eggs
well advanced off
either and fresh eggs.
Sec. Carpenter, found
two eggs just hatch-
ing, left off giving
them eggs laughed.
Daniel Webster, rest
with the people and
Mostly Friends.

TUESDAY, JUNE 21, 1870.

WEDNESDAY, JUNE 22, 1870.

Sept. 1st, found a brood of young birds of the rail and fully fledged.

SATURDAY, JUNE 25, 1870.

SUNDAY, JUNE 26, 1870.

Cloudy in
A. M. Clear in
P. M.
Took the 8 A.M.
train for Hyannis
arriving there at
11.45 A.M.
Spent the afternoon
wandering about & in
fishing up the Mill
Pond.

Clear and warm.
Spent the day
trying to get out.
Offered to fish and
pick but ~~he~~ did
not get started till
2. P.M.
Got out a few
miles when a
shower came and
drove us back.

Clear and hot.
Got off this morning ~~at~~ 6.30 A.M.
Fine made.
Muskegat by 11.30
Canoe and through the shoals on the East side.
Got our "traps" ashore by wading.
Traps into the house and made ourselves at home.
Spent the rest of the day collecting and got about 1400 eggs and a few birds.
Spent the first part of the night trying to get asleep outside but had to go in, slept two hours only, on account of mosquitoes!

Cloudy with thick fog all P.M.
Spent the whole day collecting.
Jim T. M. skinned about twenty birds and a few eggs.
Slept round all night in the bush with Maynard.

Cloudy and clear alternately.

Blew the heavy gale all day long.

Spent the day working hard and did some poultry collecting.

Saw 5 Albatrosses about 3 birds and shot two Cats.

Slept tonight till 2 Sat. morning.

Clear. A. M. calm. P. M. stiff breeze.

Rose as usual at daylight and harpooned hard all this forenoon getting an Albatross and 14 Laughing Gulls eggs.

Hoisted ensigned passing in off Edgartown upper point the Captain thought in sight. Came round with a stiff breeze reaching to Cuttyhunk at 3 P. M.

Cloudy and cold. Spent the day looking about the town.

Specimens of birds.

	Eggs	Skins
Ch. Hri.	43	13
Bra. Cass.		4
Zon. Coronatus.		1
Sterna Hir.	436	13
" Par.	436	18
" Arctica	222	14
Sitta Canadensis		1
Acy. Nebulosus	4	4
Spin. Macularius	5	
Colaptes Auratus	3	
Anic. Brewerii		13
	1149	78

Expenses of trip. $15.00 each. Provisions bought at Hyannis, 10 lbs hard tack, 6 lbs. chow, 4 lbs brown sugar, 2 lbs. mixed tea, 4 lemons, & salt, carried 12 lem. Mackerel

Clear and cool. Took the 5.40 A. M. train from Boston arriving in Boston at 9.30 P. M. It was warm for my trunk and had a hard time managing my birds.

An entry under this date in the journal of Chas. M. Carter gives an account of my shooting a Carolina Rail about 5 o'clock this morning in the swampy hollow lying just to the west of the Cambridge Reservoir on Highland St. The earlier entry in Carter's journal describes at some length bird voices which were heard by him in this area on the evenings of June 29 & 30, 1870. The notes heard on the 29th he describes as sounding like a Guinea-hen's a Kakalik or Wood Thrush. This, of course, was the song of the Wood Thrush. The notes heard on the 30th were "a trill or whistle" [illegible] of the Carolina Rail. Porter says that he saw one in the Carolina Rail that this morning & that I considered it an extremely rare bird showed signs of having recently bred.

(W. B. Dec. 1906)

SATURDAY, JULY 9. 1870.

SUNDAY, JULY 10, 1870.

Cool and one of the hottest days of the season.

Took the 5.30 train for Ipswich. Mrs. Woodbury was at the station & took me up to the good hills. Walked for Maynard but did not meet him.

Took three birds & seven eggs of J. Fren. Went to Hill's house at 6. Mr. dined to take the birds & eggs of J. Fren. & birds of J. Hinckd.

Saw Christ. Con. Lec. Ag. Arrow Observer, Rec. Gleaner, &c. Minutia. Gone west of J. Fren. with young bird & nearly fledged egg.

Cloudy in A. M. P. M. clear.

Rose at 5. A. M. and got the 6.30 train at the village. Mrs. H. taking some up.

Received of Crafts, J. Fernald 4 nests, 4 eggs & fine bird.

J. J. Fernald 1 f. & Expenses $4.50.

Spent most of the forenoon & afternoon home in preparing material.

FRIDAY, JULY 15, 1870.

SATURDAY, JULY 16, 1870.

SUNDAY, JULY 17, 1870.

MONDAY, JULY 18, 1870.

Woodcock S. setting in Uncle Ford's swamp

"I went down to see Will Brewster & we arranged to start Rail shooting about 1 P.M. He came up here about that time; we beat around through the swamp but could not start a single rail. We came to a small patch of trees & bushes located in the middle of the big swamp. We had stopped there some minutes to eat our victuals when I first at a blackbird & up went a Woodcock quite near W.B. We hunted around a good while but could not start him again. We then went to the woods in the swamp near the Glenalbo on the East side. There I got a flying shot at a Night Heron & killed it dead. As the sun came up we found a Woodcock which Will took a snap shot at but missed. I saw the dog (a pointer) some brought in my heron. We set down to rest and I soon got a shot at another Woodcock but missed. We together got 2 shots and Will got a bird & I got one. I had a splendid shot at a fine old moss back Duck (painted family) but I missed, I suppose, as it was so good the bird was about it again. Will thinks there were only 2 birds in the woods & that we killed them all, the 2 which we got & the old moss back found. We would till nearly 8 o'clock on the R.R. tracks for rails but only saw a few birds at a distance."

(Copied Dec. 12, 1906 from an entry in Cousin Mr. Carter's journal under date of Aug 20, 1870. The Arnold patch of trees & bushes "mentioned" was, I think, that on the little island in the Black pond heron, W.B.)

Woodcock Shooting in Pine Swamp.

"W. B. and I again started for the swamp at 9 A. M. but we found not a Rail nor even a Woodcock in the same woods. We went around to the Pine Swamp and were coming along the lane when we saw a man with a gun walking around in the woods and at the same time Dan pointed a Woodcock & started it up. It flew right towards the man & dead[illegible] near him but he did not see it. We waited some time in hopes the man would leave the woods, but when he got out of sight among the bushes he, was a[illegible] but we could not see anything. I then went in the woods & put up the Woodcock & shot him; the man was within 30 yards of me but he did not say anything. I saw he had a dog & was evidently after Woodcock, In the same woods we met Harry Fenwick a friend of W. B's who walked all the way home with us. He had an French Setter but was not shooting"

(Entered Tues. 11, 1906 from journal of C. M. Carter written day Thursday 21st July 1870. W. B.)

"This morning about 11 o'clock I went down to Will Brewster's and Harry Fenwick was there. We stayed there till about 2 P.M. talking & looking over Will's birds' eggs &c. We have dinner at 5 o'clock and at 5.30 just as I was through dinner W. B. came up and we walked up to Peck Point and took out his boat; we saw some a King fisher which I walked after [illegible] and Will got a double shot at 2 peeps and killed 1 and I fired at the 2nd one but also missed. Very soon after a King fisher came along and I brought him down with 1 shot. A minute after W. B. shot another peep. When it was growing dark we took about 6 shots at bats and could not bring one down. Will shot a Chimney Swallow on the wing. We came in about 8.30"

(Extract copied 2 [illegible] 1906 from [illegible] written under date [illegible] 8.30 – 9.)

Trip to Concord.

This morning I waited home till 9 o'clock when Will Bickwoster drove up here with his horse & buggy. I took my gun & some ammunition. We drove up by Chelmsford over to Concord Junction by way of the Cascade. We had a very pleasant drive up to Concord which we reached at 12 o'clock. We went to Dan French's and found him & his father busy in work on a flat bottom shooting boat which they are building for Dan's use. It seems to me to be as good a pattern for a shooting boat as I have ever seen; it is 15 ft. long & about 30 in. wide (sharp at both ends) & " 12 " deep like this

The bottom is 3/4 in. pine board & sides 1/2 in. pine board. Bottom ends are of white oak and the board around the edge is oak & knees are oak & bolted on by a blacksmith.

We took dinner at Mr. French's and soon after D. W. & I went down to the river and had a swim. We started on Cambridge at 5.30 P. M. and arrived at " " 8.00 " "

The drive home was very pleasant and cool. Thermometer in shade to day was 93°

(Copied from journal of C. M. Carter under date Saturday July 23, 1870 by W. B. on Dec. 12, 1906)

In a case of which this was by C. M. Carter (yellow) marginal

MONDAY, JULY 25, 1870.

TUESDAY, JULY 26, 1870.

[illegible]
Left the St. [illegible]
[illegible] the Lower
[illegible] Lower
[illegible] and arrived
at Lyons [illegible] /
J. H. Tate [illegible] at
the Lyons house [illegible]
started up the [illegible]
[illegible] the [illegible]
to the Sciotto Cove
at Tate's Lyons office
[illegible] $4.15. Steerage
Fare $4.00. Board at
Scioto $4.50 per day.
Amer. [illegible], S. [illegible]
T. Mazzuchelli, C. [illegible]
Rel. Palustris, [illegible] H. [illegible]
Byr. Carolina, [illegible] 185
[illegible], [illegible], [illegible]
Con. riparia, Lon. albicolla,
Peder. Hyemalis, Cor. americana
Spar. socialis, Cor. irrisor
Thr. mustelinus, Tern. aw. por
corvinus, [illegible] the valid. [illegible]
the [illegible]

Cloudy with heavy showers at intervals. Sight T. H. in house! T. H. carried on the barn. Fish at Donald's pitch. Hai well picked two or three quart bottles moved the traps into the "Cabin." Cloudy for a few minutes after lightning with light, while not passing the dark cloud. Soon lower down on the mount side saw the flame-like notes of the Hermit thrush and the opposite [illegible] of the W. [illegible] Wren.

Carpodacus Am. & Leucosticte tephrocotis abundant in large flocks. Fringilla albicollis, very seldom. S. pallidus fem. moult & carduelis, hyemalis, song sparrow, not otherwise

Cloudy with occasional showers. Went out with my gun at 4 A. M.

Took Dend. caerulescens (did not find him) D. virens 4, D. blackburniae adult ♀ and J. Swainsonii ♂.

The various skin birds. At 4 P. M. went down to Echoe with father and caught six fair sized pickerel the largest a half pounder. At 7 P. M. the setting sun threw a prismatic light beyond the [illegible] mountains, [illegible] them dark red. Saw Dend. virens, Black-throat. [illegible] singing) D. swainsonii Ny. Canadensis, Am. redstart, [illegible]. Th. pusillus Sitta canadensis S. migratorius (not young) Bonasa umbellus (male drumming)

Clear and rather warm for this place.

J. F. H. walked down to the [illegible] breakfast of [illegible]

Dr J. H. wrote letters.

Left Philadelphia [illegible] a broad following the mother. [illegible] of Empire, [illegible] passed a [illegible],

Clear and rather warm. Came [illegible] shower in the morning.

Rose early and spent the C.30 breakfast, with my grandfather and [illegible] the cottage.

Took [illegible] in the afternoon E. [illegible] and I. [illegible] the [illegible]. [illegible]

[illegible]

J. F. [illegible]

My Grandmother, two young [illegible] with [illegible] at [illegible] Empire [illegible], took a [illegible] [illegible] to fly. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Clear and pleasant.
Br. A. H. skiffed the
five miles left over
from yesterday and
trolled a front track side.
Br. T. H. went down
to the lake and took
towards dusk a good boat
fishing with bait.

Rhy. delicatissimus, Ban
ourfish & P. latus.

Clear and warm.
Rose at 6.30 had our
early breakfast and went
down the river with our
guns. Took C. plan. the
two mills. Here perhaps!
Dend. caerulescens, three
one young ♂, gone & adult ♀.
Rh. [illegible], gone.
A. fuscus young ♂.
T. [illegible]
C. [illegible] Philadel.

Curvirostra heard several
times. C. plan. took several.
Regulus satrapa, heard several.
A. fuscus, took a young ♂.
Lepus [illegible]

A. M. cloudy and
[illegible] part of the
[illegible] P. M. clear.
From the morning
the birds have
[illegible] yesterday.
[illegible]
[illegible] left [illegible] right
[illegible]
[illegible] large [illegible]
[illegible]
[illegible]

Clear and [illegible]
Rose and [illegible] at
6.30 breakfast [illegible]
Down the valley with
my [illegible]
[illegible] C. [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] 12.
[illegible] down
[illegible]
[illegible]
[illegible]
[illegible]

Clear and pleasant. Sen. T. W. went to town on the tide yesterday but found Mrs. Incall ill so did only E. Lai. D. mac spend a pair of D. day.

Sen. J. H. went down to E. Lake and took three jackets. Hooked a very large one but lost it.

Clear and the warmest day and evening that we have had.

Read most of morning and attended service in the parlor at 11 A.M. Left in the afternoon with Mr. Jones to Port H. and adjacent in view on account of the haze.

Clear and windy.
Hens commenced first
year good and laying in
well for a Cochin-China
at the post office and
two with wing of Eagle
owl and a Heron's head
appear near me I did
not get a shot. Fell asleep
several times.

Cloudy and warm.
Sir A. H. went down
to Sheffield today and
to my surprise met
Arthur Eastman, with
two companions who
were returning with
high spirits to the Mts.
Sir H. H. went down
to the Lake but caught
other fish.

Clear and warm.

In Hillcrest drained Cat. & got a duck.

In the afternoon went down to Lake and tied fine trout fishing with bait.

Ed. Smith came to day.

Line Hilarius, heard a male cuckoo.

Clear and nothing wasp.

Went out from after breakfast & took eight birds, D. Black Russian albt E & G & the young, Tilt Can. ♂, G. speculosa ♂, Pic. subs. albt ♂ & ♀ alcyon ♂.

Shipped my birds in S. N.

Ch. Tristi, heard a male.

Pic. Pubescens took a ♂

" Villosus heard one.

Curvirostra, heard a large flock.

Rained hard all day.

Left out the tape after breakfast but the same degree was in after having fished two hours without getting a single bite.

Spent the afternoon packing up.

Clear and cool.

Took the coach down the valley starting at 6. Got to Plymouth at 12 M. after a most delightful ride, & on top of usual.

Left Plymouth at 1 and got into Boston at 6.30.

Carried out on the baggage with checks and found all right at home.

The fruit trees & the potato vines have thoroughly flat, but at the hills we have not seen the thermometer above 81°.

[illegible] last night

Sitta Carolinensis
~~took an adult~~ [illegible]
~~in our yard~~ [illegible]
~~[illegible]~~ [illegible]
~~a few days~~ [illegible]

Sitta Carolinensis
took a bath
in our yard, seen
more than ever in Newton
a few days since

[illegible]

[illegible]

Guinea Nowlock.
saw as many as
six in our garden.

Clear and warm.
Heard a pied
Wheatear [illegible]
and went for Cock
but did not succeed
in [illegible] any.
Spread [illegible]
[illegible]

Clear and a very hot day.
Rose at 5. and set out by 6.15 N.10
passed off to Andover
N. Sheffield Farmer through
Sheffield, Stockbridge
Pittsfield distance
20 miles. Sat to Sixth
dinner, 3 fifth dinner at
Saint Lawrence and
left at 8.16. Got to
Annesbury at 7. Suffered
much from the heat
and fatigued after.
Passed through N. Adams
and Cornwall
Put up the horses
Mrs Andrews found
and went down to
meet Henry.

Eyes and ears
very at 7. N.16
Bad cold and very
tired. Put Uncle King
and he welded.
Got off at 9 and took
Rye Road through Greenfield
Pittsburg Nelson Gaston
Clarksville falls and
Hampstead distance
22 miles.
Spend night at
7.15 at the house
Saw George Sawyer
at the Farmer at
the summit.

Gazette Office
New Milford

[illegible]

[illegible]

Clear, Hot and smooth as usual.
Got a shot at the Teal. Killed eighteen brace but finally got.
Tried again twice three times at a Jack and finally got home.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Saw a Phalarope in the Eel Pond alternately swimming and wading in the shallow water near shore. I had no gun with me at the time and hurried back to the house to get one but when I returned the bird was just in the act of flying off & I failed to get a shot. At the time I called it a Wilson's Phalarope; I now think it was a Lobate Phalarope.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] as usual

First-class Seal and Dance at Tall tak.

After breakfast went out and shot [illegible]

[illegible]

[illegible]

[illegible]

Clear and pleasant. Rose at daylight and went to bed [illegible] [illegible] Shot a Hawk hard.

Shot Two [illegible] Seal in the afternoon [illegible]

[illegible]

Starting Seal the [illegible] [illegible]

[illegible]

SUNDAY, AUGUST 28, 1870.

[illegible]

MONDAY, AUGUST 29, 1870.

Cloudy and still
West still on the [illegible]
with Dean as usual
but very [illegible]
Pa & Mr Smith
to Keith for a head
and neck cut [illegible]
[illegible] from Coffee [illegible]

[illegible]
[illegible]

Started at 9 A.M.
and went over to
the Shawsheen with Mr.
[illegible]
[illegible]
[illegible]
[illegible]
Stopped [illegible]
[illegible] at [illegible] M.
and [illegible] lunch
[illegible]
[illegible] at [illegible]

Rose at 5 A.M.
and [illegible]
get off [illegible]
Reached Cambridge
by 12 and went at
[illegible]
Mr. [illegible] went into
Boston and bought
some shot, a tooth
and a [illegible]
flies.

Clear and pleasant
Left the 7.30 train
on the Eastern, changed
cars at Portland, took
the Portland & Kennebec,
changed at Augusta
(where we crossed the
River on a wagon), and
arrived at Thomaston
at 6

Clear and pleasant.
Breakfast at 7.15 on
the stage and after
a hard day's ride
got to the Fosters at
6 p.m. The evening
spent with the Misses
Pease & Pettingill and
a Mr. Ulmer here.
Passed our day at
the hotel, the most
tedious day I have had
and the worst weather
known.

Cloudy and [illegible] over
[illegible] of God the Lord
stage at 6 and [illegible]
[illegible], well [illegible]
the Salem Street, On
the [illegible] Shot
[illegible] Shot
[illegible] shot
[illegible] shot
[illegible] Shot
[illegible] Shot
[illegible]

Clear. Started in for Hopie and G. F. H. and got to the ground at 12

After dinner went with the fiend and headed in camp at Marquette sixteen six miles up by 6 P. M. Fiend went shit at birds and killed a Bittern Ed. killed a very large black duck. Spent the night in the logger camp with Steve besides our party Robinson Dentel and Bish. Venus seen usual has chicken, sufficient. Sleepy. Fine. Supposed

Clear but cool. Row at daybreak and went down to the meadows. Shot a blackbird flying. After breakfast took our bent and rowed up to the head of the fiend. G. B. H. went up to Bertha pond and saw the track of a bear. Got back by 5. In evening caught about forty pounds of trout. Spent the night in an open camp.

Mrs. Victor
State Virgin. Guard Journal
Rel. Ministers, Sail Minds
Guilt. Riches, Have Them

Clear and cool.
Rose at daybreak
and went out on
the river fishing. Ed.
caught a pickerel.
After breakfast started
for home and by
noon made the
foot of the pond having
shot a Fish hawk.
Had dinner and
got out to Murrays
by 5.30. I shot a
Partridge and a
Bittern both on the
way out. In evening attended
negro minstrels, very
poor.

Ex. nesp. permuta, Ch. pinus
Sitta Can. Dend. striatus
Ey. cristata, Pand. Car.
Ardea herodias, Jun.
Swainsonii, T. pallasii,
Tin. sparverius, Par. atri,

Started after breakfast
for Sackett pond. Stopped
at Salmon stream and
caught some trout.
Shot and Seek
shot a Pigeon.
On the way up
saw one Partridge
but did not get a
shot.

Car. purpureus, saw more
Ch. tristis, Sand. sword
Mel. Melodia, numerous
Zonotrichia Wilsonii, one
Otus Wilsonianus, one
Bytteria melodorum.
Ac. Cooperi, saw one
Astur atri. saw two
Par. Can. saw one.
Ep. agilis, one shot at Fresh
pond. H. H. Hudson

Clear and a lovely day. Rose at daybreak and went down to the pond. Took 34 fish with the fly in about three hours.

After breakfast started for the Forks where we arrived at 2 P. M. At 5 started for Solon with Mr. Young and after taking supper at Bingham got there at 11.30 P. M. and put up Eh. Jones, Sam Several, Columbus Urquhart Sam Several. Cry Crosby.

Op. eggs. seven shot off pond by H. H.

Cloudy and rained (about 9 Kowhegan) about three hours.

Left Solon at 5.30 and got to Skowhegan 8. drenched through to.

After a hard days ride got into Boston at 8 P. M. and found father waiting with two teams to take us out.

Op. eggs three shot by H. H.

Chas. Hunt drove to see H. Henshaw about his birds.

He came up with me and we went up to the swamps collecting. Took two C. agilis, and a M. Lincolnii besides common species.

Sp. rubra, S. fuscescens, Ph. vireosa, Philomenor, Geothlypis trichas, M. pratincola, Pen. hyemalis, Dend. striata

C. agilis, M. took two M. Lincolnii, H. Hen. took one at Trask's pond

Clear. H. Hunter came up at 7.15 and we went off with the team. Took an immature D. Castanea, two of Agilis and other of lib importance. Got home at 3.P.M.

Dend. castanea, D. striata, D. virens, Pip. erythrop. Hel. gelifacilla, Sith. ruficeps, Ope. agilis, Fiorii Vov. Mulica Americana, pom. v. a. Shot.

Clear and hot.

After breakfast H. H. came up and we went up through the swamps but took nothing of importance except Agilis.

I shot a half starved Sanfer.

Gall. Wilsonii, toik omi Ope. ag. omi Mulica Americana

Clear and pleasant. Spent the P. M. on the birds-tatian yesterday.

Clear and pleasant. Spent the forenoon in the library with Henry and then a number of specimens.

Sparg. Thurlei, Zopi albiestlis, Pinus rotata Dendrocoron.

Cloudy and rainy
part of the day.
Felt very little, this
evening, in Phil.
with Henry and the
girls to remember of
birds

Saw a kite, eight
Sand pipers, large flock
of Sand Hill Cranes, one, two
Yellowlegs, one, two,
Albicolls, several

~~Spurwing eg. Light,~~
~~American Pelican, saw~~
~~a large flock,~~

Clear and cool.
Rose at 5 A.M.
and went up to the
pond. Took Lis, Stillman,
Cyrus, and I. rowed.
After breakfast went
out with Mr. Bushnell
and hunted all day.
With four of eagles
and fifteen of hawks
in.

Dined, merlesen, P.
Jones, rec: new members
Dined austra sutter:
pun. hyemalis, mundes,
Ectitia tuw. two, Regulus
satrapa urral. Chaffinus
mundes; Sal. peregrinus,
one; Phalacrocorax one.
Accip. agilis, two Lindaron
zymbris; Bicus auro, one;
Syranga rubra, one

Clear and pleasant.
Rose at 4.30 A.M.
went out up to the
pond. Large flock of
Yellowhammers but
did not get a shot.
Took a swing round
out and back around the
Mount in the afternoon
Dr. F. M. rode down
to Hancock and took
him out to ride
a short distance.

Otis Wilson, left this
Agilis, on tue.

Clear and pleasant.
Dr. S. H. went into Boston and sat in the office several hours. Then went down to see Frank Melvin and bought some shot.
Dr. S. H. took a sail on the river with Farrar.

Butterflies bracken, saw large flocks on Charles river
H. immaculata, saw a large flock

Clear and a most lovely Autumn day.
Rose at 4½ P.M. and went up to the pond. Took C. Gaynor, Passer sativum, Myosurus cord.
After breakfast went on the lagoon with Henry. Shot lots Don. capitellata and Cistyp. Vir. all flying.
Took, a number of specimens, the first by Henry, H. castanea

D. castanea, E. l. al, by Prof. Eaton, Equisetum Pl. seeds, Myosurus (very immature), Cerastium (prob. Arv.) (yet again)

Cloudy and pleasant.
Jim A. M. went
into Boston,
Jim P. M. rode up
to see Mr. Maynard.

Cloudy and rained
most time.
Went down to Long
Island with Henry
and spent the
day there. I shot
a squirrel & got a bad
sciatica, and made
a very pretty shot a
few flying ducks & killed
one sitting and three
as they flew. Saw
large flocks of black
ducks and Heron fed
into one. Got home
very late. Jim & I went
watched flocks of ducks.

Pointed to Editor, saw
large flocks
Sept. 25. Indications to-day
fever!

Cloudy. Had a very heavy thunder, shower for the afternoon.

Spent the day about the house. John and Charlie down to dinner.

Clear, cool & most lovely. Autumnal day. It is and needed. Spent the day till three P.M. in the nursery with K. & Mary.

E. [illegible] morning [illegible] letter. G. [illegible] "Chief," very quiet, good [illegible] Begins to Gen. Castleman, &c. Amer. C. Mythrith, J. Sup. Judicial, Member, D. Restiva

Clear and pleasant.
Spent most of
the day on my
birds.
Sir J. M. went
up to the swamp
but got only the
bird, viz. Ardea
and Sterna fu.
Stayed there till
dusk and saw the
Robins come in.

Tetrao umbellus,
C. acadicus.

Have seen no
T. umbellus over
a week.

Clear and pleasant.
Spent the forenoon
at the swamps.
The soil water has
been pouring in for
several days and filling
up the swamps.

Cardis, Hirundinaria,
Grey junco, D. caerulea,
Ard. pedoum, S.
aurea, S. melodia,
Bot. ferruginea, V.
olivaceus & solitarius
Car. ignis, Car. pur.
G. trilla.

Clear. Dr. H. H. went up into the orchard with Henry and took a few specimens.

Thos. Grain (Mead) from C. City, came.

Cloudy and rained hard the last half of the day.

Dr. H. H. went down on the road with Henry and fired at a Golden plover. Came up together at 11 A. M. and spent the rest of the day arranging my things.

Sec. Virginia, daughter Hettie Rudolph, came on

Cloudy and windy. Went off with P. Cunningham. The transport spent nearly the whole day but took nothing to speak of.

Sitta Can. a number; Cor. erythrinchus, one; Tur. pedicerus, several large packs; D. striata, maculosa, trivirgata and gesnieri, H. pallasi, Say. fuscus.

Clear and pleasant.

Attended church in A. M.

Br. W. M. took a ride up to Sheyenne and saw two Wood ducks.

Clear. Rode up to Concord, after breakfast and an hour and twenty three minutes. Saw F. M. regiment with their wives and shot a Grebe (P. podiceps) Came home after dessert getting to Cambridge at 10.15

Here I shot a Lamb bird and a Teal (A. crecca) in the pond

Nota Carolina, Eris, rubida on Fresh pond; Bel, guerugin, Sod. judicus at Concord

Cloudy and warm.
After breakfast
rode down to the
Point and down Henry
St to dentist - Very
Sharp tooth

Cloudy and rained
most of P.M.

Spent P.M. sewed
down on the room &
with Henry read
both three Finished
Got back at
11 A.M. & spent
the rest of the day
at home.

Cloudy and windy
Rode up to Boston
and put up the
horse in kitchen.
Spent the day
shooting and took
a Sitta Canadensis
& purple finch and
several other birds
Got home late
J. W. H.

Clear and a lovely
day. Went up in the
pasture and the
Grove and took
remainder of good
birds, Ch. fuscus thrown,
Sitta Can. two, Mel.
Lineolati 8, Sand.
pinus, two 8, and
several others. Cirr.
tris a rare. Went up
to Brookline and shot a Sitta

Mel. Lineolati, 2 Wat.
Tregrites, two, a rare
bird, Trichas, 6. fuscus,
Sitta Can. three,
Siurus noveboracensis
with a good Fresh.
pond.

Clear and cloudy day.

I attended church in J. H. In P. M. rode up to Mr. Maynards with Henry and spent the afternoon with him.

Clear and pleasant.

Mr. Maynard called in A. M. and spent several hours with me.

In P. M. rode up to Sherman's prairie but found nothing there.

Clear and a pleasant day.

I went up on the jury in D. C., and sat a week, Jack Fitts Case, and others commenced.

Cloudy and rained most of the day.

After breakfast went up to the House of with Henry and the A. of L. experiment, Got out through evening hours.

Dwight prosecuting, L. B. Stirling, getting nearer.

Cloudy and very windy. Went off with the team at 1 P.M. and took five Ch. pines, a Hunter measure 8 of Decaisnea Fargesii and a Blue bird

Another Fagus atropunicea, Deutzia scabra, E. O. varied, Chionanthus, Cornus Mas.

Clear and a heavy dew. Spent the forenoon in the paper, collecting, and ticks, Ch. pines, Betula Cornu, G. Pinus strobus, and two Ch. Pin.

Spent the P.M. in my lands.

Bay. furrow, Acanthus.

Clear cool & most lovely autumn day. After breakfast rode off into Belmont and put up the horses at Brown's.

Spent the whole day transposing and sort ing things.

Hoisted up the Grays and refitted the rigging of them.

Slept on board, Water Queen, O.

Clear and cool.
Went up to the pond in A. M. and shot a Gray owl.
Dr. A. M. rode up to the willows with Henry and took thirty seven of Chry. Finns besides a few other specimens.

Chrysomela fairii, found them in numbers feeding on a small red grub on the willow trees.

Sayornis fuscus, one.

Clear and cool the hardest day of the season.
Went with Porter for an hour or so and did all my birds some twenty one in number.

Cloudy.
Went up to the grind on W. H. and fished till dark, but caught only seven perch.

Cloudy and rained hard all day.
Went up to the pond before breakfast and then to Tattale's deal

Clear and a lovely day. After breakfast both went over and. Carl fished over the Smith's pond. Went at a bell taken from Trish pond and shot three black ducks (Anas obscura) which I got. Saw a Flicker and a Gallinule.

Eustethiurus fuliginosus, Coatis grantoiji on. Passer, young, saw numbers. Air Swallows saw three.

Clear and pleasant. After breakfast took up to Waltham and beat for Woodcock but found none. Shot Black Squirrels and saw no Ducks. Scarlet and Yellow rumps and a Sparrow (Z. albica).

Turdus pallasi, saw a vast number of them as usual. Perron saw large number. Passerines, saw first on.

Clear. After church went down to see Henry.

Pm. I walked to Stoneham with father, and saw Stevens & Sailing.

Clear and cold. Went out hunting with Henry for the last time. Took seven or eight birds.

Went on to Wellington Fell, and then beyond it to Greyrigg.

Got the train, and at the Segtotes gave up the Fairville, Carnation, and Crow Inn. Transferred Bitter Cane. Further further indications in Dalland field. Pas. Olinea, Chry. primus, sunned to the setting sun.

Clear and warm.
Very windy. Took
the first train on
the L. F. K. K. and
met Jim Nelson
at Lincoln, Barney
and two friends got
off at the same place.
On the Lancaster
ground bagged one
Cock and started
another. Shot to Concord
by 1 P. M. bagging dry
Cock & a Woodcock.
After dining took
a team and rode
up into Carlisle where
we bagged four more
birds & a Pheasant. Total
11 Cock 1 Partridge & a
Pheasant. My first Cock
& the Partridge.

Saw the migration of

Clear and windy.
After breakfast
went upon the
mountain and shot a Coot
and a Rabbit. Fired
five Pins at Dinal,
missing every shot.
Took a walk Crossfield

Acgithus linaria, saw
several flocks;
Sitta Carol. carolinensis
Parus atricapillus

Climb and cold.
Went fishing in the
pond before breakfast.
Chemistry, shot a
"humbird" & a
"sparrow". After breakfast
rode up to Chamney's
and we drove up
to Well hill
Shot a brace of
squirrels and I shot
one, it was lucky my
first double shot, spilling
the birds then another
in Chamberlain, then Chamberlain, then struck
another bird and I got
an this double shot.
Total seven birds, five
of which went to me.

Sep. Linnaeus, lock tin
me adlt. E.

Clear. Took the
11 A.M. train for
Concord.
Go U.S.M. went
up the river to the
Bend and had a
splendid duck.

[illegible]

Clear and cold
Blustery all day.
Spent the day in
the woods with Dan.
We caught sight of a
Woodcock & two
Gray Squirrel. Dan
took a fine specimen
of the Hooden bay
Titmouse: its note
& habits were almost
precisely similar to
P. atri.

In the evening
went down to the
Mills.

Kennard & party started
today for Florida.

Frank Hodgsons
lock on at Concord
Mass.

Lately affairs are
shot on Mch pond.

Clear and cold.

After breakfast took
a walk to Stinchar
Lot and visited a
Woodcock.

Attended church
in A.M.

In P.M. took a
walk down to Halle-
pond pikes, we
discovered a generally
fine echo and saw
a large flock of
Crossbills.

Pinicola Canadensis
saw now,

Turnistra ? is
now in large flock.

Cloudy and sound
the greater part of
the day.
Went to early
bacon breakfast
down in the S.W.
Went some time
after getting home
by Granville & my
Fatherinlaw but made
a good job of him.
Mr F. W. took a
ride.

Clear and pleasant.
After breakfast
went up to Watts.
Watts & wife
had for Weilbach
but did not start
away. Took light
Refreshments and a
few pinch ale in
E. Crossbill. Chased
a great bursted Coal
for some distance but
could not get a
shot.

Com. Ann. & Conceptions
numbers, Vinella Com-
mon bee. Sulphur Bu-
tterfly in Belmont.
Aug. Lignaria, Langstroth
Legothrus "brewsteri", took on
at Watts.

Clear and rather cold. Ther. 30 at daybreak. Went up to the pond before breakfast and shot six ruddy ducks. Charley Eighmy got two. In P.M. went up in the farm and took seven trembling three pickers, a Pine finch and a Red eyed Vireo

Vireo olivaceus, took one in Watertown
Pass. iliaca, quite abundant.
Spizella soc. sanguinea
Eris. melodia, terribly

Clear and very warm. Ther. up to 50°.

Went up to the pond at sunrise and shot two Lesser Scaup and a Ruffle head drake Bittern

Spent the remainder of the day skinning

Pomerphalus albeola, took one, Erir. melodia, took two
Botaurus lentiginosus, took one
Plec. trivalis, saw one

Clear and goldish.
Thr. 46°, at daybreak.
Went up to the
pond as usual
and shot a land
bird flying six times
at first.
Spent most of
the day in
shooting three
Kingfishers & the
Buffle head.

Cloudy and gaining
Thr. 46°.
Rose an hour
later than usual
(6) and got up
to the pond just
in time to see Chauncey
fire into eight Duck
birds & kill five
of them. The other
flew to get afterward.
I shot a few
pairs of Bluebill Scaup
ducks.

Bei. ferrugineus, sao
a Lehgeflüst.
"Mareila glacialis
taken by Frank
pond. Eris rufidea
eight were shot on
the pond."

Clear and cold
lovely day.
Attended church
in A. M as usual.
In P. M. went
up to the pond
with Ruth & Eliza
and found Ruth's
boat gone. He
and Charlie
searched for it
some time in vain.

Cloudy and rainy.
Went up to the
pond about 9.
Saw no Ducks
but shot four
Black ducks in
a short space of
time at daylight
in the boat house
cove.
After breakfast
rode up on to Well
field with Charlie
Lawrence and put
up the horse at the
stable of farm.
Went all day and
got into free from
but did not kill
any of them. I found
much fat a little and
shot a number of
Robins. Ran aground
towards Cut.

Cloudy.

Went up to the pond in the afternoon, and shot any least "Whistler" killing him with the second barrel as he rose from the water. Then went up into Watertown but saw nothing.

Cloudy with a rising East wind. Rose at 5:30 A.M. and walked at the Patriots' for Charlie. Went up to the pond together and shot a Muskrat and fried at a fire (as I afterwards ascertained) the latter acted very strangely during the remainder of the walk and returning was very sick. Went the whole afternoon, answering at telling it very frequently that by Saturday!

Sylvia Ann, see page 100.

Clear and very windy. After breakfast went down to the pond where I saw a Sly-coter, a White throated Sparrow, a Golden crest Wren & a Creeper.

Went down to the pond where the dead pond-weed is gone and sailed about over the waves for some time. In P.M. took a ride by the pond and past Mr. Hettinger's shot a "Diving bird". Zan. accidentally took an adult S. Sparrow home. Eris. rubicon one shot on the pond.

Clear and very cold. Ground frozen quite hard for the first time.

Went up to the pond before breakfast and shot a Hooded Merganser. Afterwards I paddled away over to Smithsford.

Heard quite a little discussion worthing over my things.

S. Studyites Consultation to the end.

Sec. miracles, time & one

Weather cold
moderately warm,
Wind S.W. to the
point. Blackbirds fast
but cutting game
in. Short street
over on the farm
where I lived a
Barrel Coal is, a
Tin. Co. still, and
for Red billed
Nuthatches.
Also fired at a Quail
in a flooded
field of Devils.
Mr. B. M. put away
my French leaders
for the winter
and Sarah
called
Thing, Jupiter, and
pied Cattle are very
scarce. Little Cow, Tithe,
Cow, Two Nurses, 2 Hogs,

Clear and pleasant

Attended church
in N. M.

Mr. P. M. rode
over to see Snider
and found the
afflicted death
there.

Grass buyers still
on the flocks around,

Clear and quite warm.

Drs A. & C. went up to the pond where they said there was a fox. Lucky but did not see them.

After breakfast, Hard day before turnout and yoke up into bottom to hard & hard work. The day, Jack fright Capt. Crosskill and Mr. Jim Gusbeat.

Finished hard. Sun four.

Clear and pleasant.

Went to work on my birds after breakfast and had them all down by noon.

S. S. Mitchen rode up by the pond after 3 and Lamed birds. Turned for my gun, tied the horse in the hotel sheds, and walked down on to hump, shot home.

Epistemaxa rubida shot one on Trash pond.

Cloudy and rather cold.

Rose at 5 A.M. and met Charlie Carter by appointment to lay the body on White Island although we knew it would not be found. We waited until 7 A.M. and then gave up. Then I went over to the island but saw nothing then.

In P.M. went down to see Frank Hibbison.

Clear, cold, and frosty weather.

Rose at 5 A.M. and went up to the pond. Shot a muskrat in Cranberrie, another in Musk Rat pond, through the ice, and found a dead Red Breast Duck. Then a flock of Red Headed Merganzers came in and settled out there swimming as they used. In P.M. went into Boston by Lincoln Corner to be out of the way of Mr. Frank Hibbison.

Lifter Owen Watkins saw a flock of swan on Trask point.

Began to rain at 8 A.M. and rained lightly the remainder of the day.

Went up to the pond about an hour before daylight (4.45) and waited for ducks but saw none.

Fired at a Hooded Merganser flying and got a Black Duck.

On A.M. went up to Hatteteiu and made a call on Mr. Thayer who received us very cordially and showed us his birds.

Arrived home, on Lepton mountain, on

Clear but the coldest day so far. Ther. 26° of 32° of 38°.

Rose at 6 A.M. and went up to the pond but saw nothing the whole morning. Spent the middle part of the day in the house, and in the afternoon went up again to the pond but as before saw nothing.

Birds generally still abundant.

Aegithalus caudatus quite abundant.

Clear and warm.

Attended church in A. M.

In the afternoon had my horse harnessed and started off with Faith.

Got nearly into Livingston when the hard, humbled storm breaking in the thick frost fore handed us.

Cloudy and chilly. Sat. A. M. went up in the parlor and took the Cur. Acc. and other Reporters.

In P. M. fired a number of shots at a target with my 12 gauge. We fired 18 shots. Had cut down to 30 inches.

Passerella iliaca, took leave.

Cur. Acc. still extended.

Cloudy and
windy hard most
of the day.

It cleared in the
afternoon went
down to the pond
in the rain but
did not see
anything.

Clear and windy
Rose early and
went up to the
pond.

Shot two or three
rails at the foot of
the lawn but saw
no ducks.

After breakfast went
up again found
frozen a little
at first for some
time - freezing more
at first on the
water and trees
on the terrace dis-
appeared.

In the afternoon
there was a turbulent
wind and [illegible] it
[illegible] blested till dark.
Coot [illegible] [illegible],
[illegible] or [illegible] of the other
[illegible] [illegible] pond.
The mirabilis, [illegible] large flock

Alternately cloudy and clear. Snowed a little in P. M.

Started off with Nellie and Charlie at 6.30 A. M. and rode the horses in Waverly. Started a very large bevy of Quail, followed them into the Waverly woods and shot eight, most of them under fences. Dog worked perfectly.

Had dinner at 1 noon, a cold turkey pie, nuts, raisins &c.

Beat all the afternoon without getting any. Shot five of the Quail.

Cinq. Concis, saw large flock. Will come near

Clear and a most lovely day, warm and windy.

Started off after breakfast to the bank and tied on the hill above Marsh's. Shot a Ruffed Grouse which I left in cover and but badly. Dog trying to get off from Scotch as she ran into my eye almost putting it out so red and sore. Eye is better immediately.

Scol. ferrugineus, saw one.

(Strix nebulosa saw several.)

Cloudy and rained most of the day.

Spent the whole day in the house on account of my eye which troubled me much.

Fine and cloudy day.

Attended church in H. W.

Br. F. M. Remained in the house.

My eye still very troublesome.

Have had the most remarkable weather for the last week during which time the ground did not freeze and

Clear and another lovely day.

In P. M. went into Boston and selected the paper and carpet for my room.

In the afternoon went up to the pond and baled out my boat.

Cloudy, rose early, first went up to the pond. Saw that Hoodie Morgan was here but did not get a shot.

Deposited in Cambridge and Boston

Clear. Went up to
Concord and
A. M. but did
nothing.
Hoeft, Moore
Dempsey and
Grant the
afternoon on
the river.

Cleared cold.
In A. M. went
down with Dan
and called on
Sarah Thompson

P. M. went
to the Symphony
concert.
Very large audience
considering badly.

Clear. Days left us, this morning.
Spent the day in the woods.

Clear. Mr. Hay commenced logging the further side.
Stopped to do the [illegible] all day.

SUNDAY, DECEMBER 4, 1870.

Spent the day in the house

MONDAY, DECEMBER 5, 1870.

Clear & Warm

Spent the day in the house - writing the paper

Clear & Warm

In A.M. walked out with Father Air Rifle and practised some time at a mark.

In P.M. took a ride with Tom Pedro!

My Eye was quite troublesome –

Spent the day in the House on account of my eye

Killed the lovely of several of my Guests

THURSDAY, DECEMBER 8, 1870.

Spent the day in the house

FRIDAY, DECEMBER 9, 1870.

Spent the day in the House

Spent the day
in the house

Windy and
the dust flew in
clouds
John Charlie
and Ruth called
in after church

MONDAY, DECEMBER 12, 1870.

Spent the day
in the house

TUESDAY, DECEMBER 13, 1870.

Remained in
the house all day

Clear and warm, without any apparent cause my eye was so much worse this morning that I went to see Dr Williams about it, who gave me some eye lotion, after examining it carefully

Cold, and very windy

After breakfast carried a message to Mrs Nichols from mother.

Mother read to me most of the day.

Clear and very cold.

Remained all day in the house, and mother read to me much of the time,

Clear and [illegible] cold.

Went [illegible] Dr. Williams [illegible] P. M.

See F. M. [illegible] very heavy [illegible] Twitter the [illegible] Chandler.

[illegible]
[illegible] of
Spent the day
in the house of
the eye rather
better, but still
troublesome;

Cloudy & cold.
Spent the day
in the house.
Saw the figures of
John & Christian
called.
Good skating
on all the outlying
ponds. Fish &c.
frozen only in
the coves.

Cloudy. Morning broke forth an inch of snow on the ground and nothing else. Spent the day in the house.

Clear and warm. 32° 40° — 42°.

Spent the day in the house and vaccinated two O. agilis from dried Virus.

Clear & Cold.
Ther. 10 above 0

Went into Boston
with Mother bought
a number of Present,

Cloudy & Snowed all
day about 2 inches
fell —

Went into Boston
with Mother in the
~~morning~~ all

Mrs Welch
was found dead
in her house
this morning

Clear & very Cold
Thr 6 above 0

Went down to
Frank Atkins my
in the forenoon
in the afternoon
mounted Sound
Dirly from the Atkins

Clear & coldest day
so far
Thr 2, above 0,

Went to Church in
the A. M. —

In P. M. went up
to the north, Davies
Rifle —
got an present
from Charley a picture
"Pointer & Game"
from John
Pinnation Mean
from Kitty
a Lion head
from Morrill
a fine Wallet

Cloudy most of the day, with rain

After breakfast went up to Brook Pond and skated, found it very fine skating there but few persons there

In P.M.

went Minto to see Dr. Brewer got his walk very tired and showed me through most of his American Eggs, was particularly struck with the difference between the Egg of T. migratoria and that of T. erythrophrys

Clear & very still
Thermo - 20 above 0,

went shooting in A. M, with Frank Atkinson & got a few birds

Spent most of the P.M. in mounting some birds from skins my eyes were much better but still troublesome

---

A. Linaria. saw a large flock

Cuc. Americana
Saw a pair feeding on the ground in company with the former.

Cloudy

Commenced to snow at twelve o'clock and at dark about three inches had fallen

After breakfast went into Boston with Frank Atkinson and called at Dr Cabots house, found only his daughter at home and spent several hours looking over his insect collection, saw his Dendrokitkandii one of the three in the country most of his birds were collected by himself in Yucatan, he must have several thousands Afterwards bought a blow pipe and saw nests of Ruddy Ducks sent up last thursday from the Cape

Cloudy and snowed nearly all day spent the day about the house in the afternoon helped to get down the sleighs and took a sleigh ride over through Brighton Roads five inches of snow has fallen, I in the evening went up to Ruth Deans

Clear and a beautiful day. Thermometer at zero, 20, and 26, after breakfast, started shooting and walked up into Watertown took Curv. Americana three Ch. tristis two Sitta Caro. one. got back by one P.M in the evening. went up to a theatrical at the "Hayes"

Curv. Americana Ch. tristis Plec nivalis A. linaria Ac. fuscus Spiz monticola saw numbers The mobs of A. linaria are in full song,

Clear and warm

Ther 32 - 42 - 34

After breakfast went shooting up to Watertown as usual. took a Col. Borealis M. melodia. Pas. Atricapillus and Tur. migratorius Shot also two Quail, and wounded another. all of which, Dart pointed towards got home at about two o'clock Dick Dana called in P.M.

M. melodia Tur. migratorius Col. borealis Col. colaptes Auratus saw of each, one

Curv. lucop A. linaria Plec nivalis. Cy. cristata saw numbers.

MEMORANDA.

MEMORANDA.

MEMORANDA.

CASH ACCOUNT. JANUARY.

Date.		Received.	Paid.
3rd	From father	$5 00	
"	For cravat		1 00
"	" Boys 149n. woods		.50
"	" lunch		30
"	" elastics		10
"	" Birch measure		50
12th	" car tickets		1 00
"	" lunch		20
15	" 200 caps		50
22	" one pound powder		.80
"	" car fare		10
"	From father	$5 00	
Feb.	Tickets		1 00
"	For eggs to Rich.		2 00
"	" Expressage on eggs		~~60~~ 60
"	" " " "		40
"	" Smithson. report		50
"	" lunch		20
"	" Car fares to Newton		30
" 24	From father	$5 00	
" 26	" "	1 00	
" 26	For. qub. Naturalist		4 00
" 28	" insect pins		1 00
Mar 5	From father	2 00	

CASH ACCOUNT. JANUARY.

Date.		Received.	Paid.

11
42
28
12
38.

23

July 29 last day.
Aug. 2 " 1
" 23.
Sept. 3
" 11
" 18
" 19
" 21
Oct. 1.
" 7
" 8
" 29